

# Antibodies for the Study of Nuclear Function

Transcription Factor and  
Cell Signaling Antibodies

Antibodies to Chromatin Modifiers

Histone & Histone Modification  
Antibodies

ChIP-validated Antibodies

Secondary Antibodies

ACTIVE  MOTIF®

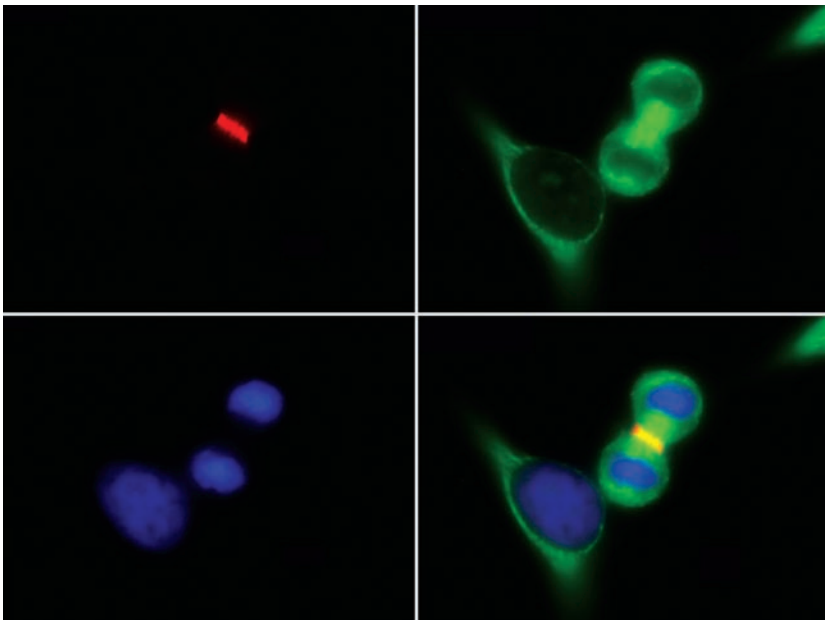
Tools to Analyze  
Nuclear Function

# Antibodies for the Study of the Nucleus.

**Active Motif is committed** to providing the highest quality antibodies for studying chromatin and the biology of the nucleus. We specialize in manufacturing antibodies against histones, histone modifications and chromatin proteins, many of which have been validated for use in chromatin IP (ChIP) and immunofluorescence (IF). Each antibody

that we make is rigorously tested to ensure you won't waste your precious time and research dollars on antibodies that don't perform as specified.

At Active Motif, we believe that you should always repeat your experiments, but not because your reagents failed.



**FIGURE 1:**

**Immunofluorescence with Active Motif antibodies.**

HeLa cells stained with Aurora B antibody (1:200 dilution). One of the cells is undergoing mitosis and is in anaphase, at which point Aurora B (red) can be visualized in the spindle midzone. Top Left: Aurora B pAb (Cat. No. 39261). Top Right: alpha Tubulin mAb (Cat. No. 39527). Bottom Left: DAPI nuclear stain. Bottom Right: all 3 images merged.

## OUR ANTIBODY COMMITMENT

### Quality First

We'd rather fail our project than sacrifice quality.

### Highly Characterized

All of our antibodies are stringently tested under multiple conditions.

### Controlled Process

We manufacture and test our own antibodies, rather than re-selling.

### Consistent

We go to great lengths to minimize lot-to-lot variability.



# Extensive selection. Smart design.

## Histones and Histone Modification Antibodies

Because histone post-translational modifications are important regulators of genome function, Active Motif is developing antibodies for all widely studied, biologically relevant modification sites. Each antibody is rigorously screened for specificity and tested to verify the applications it works well in, such as ChIP, Westerns & IF.

Complete details: [www.activemotif.com/histoneabs](http://www.activemotif.com/histoneabs)

## Transcription Factor & Cell Signaling Antibodies

To complement our assays for studying the activation of important signaling pathways, Active Motif offers a wide variety of antibodies to transcription factors and cell signaling proteins. As with our other antibodies, these are characterized for specificity and application tested.

Complete details: [www.activemotif.com/tfabs](http://www.activemotif.com/tfabs)

## ChIP-validated Antibodies

Chromatin immunoprecipitation is an extremely challenging technique, so only antibodies of the highest quality will do. For an antibody to work in chromatin IP, it must be of high titer and it must be very specific, with no detection of non-target proteins. Most importantly, it must be able to recognize the target protein in its native chromatin-associated context after fixation.

Complete details: [www.activemotif.com/chipabs](http://www.activemotif.com/chipabs)

## Antibodies to Chromatin Modifiers

There are many important non-histone chromatin proteins, from histone modifying enzymes like acetyltransferases, deacetylases and methyltransferases to chromatin-binding proteins like HPI, which read the "histone code". Because these proteins regulate chromatin structure and function, Active Motif offers high-quality antibodies to these targets so you can study their roles.

Complete details: [www.activemotif.com/chromabs](http://www.activemotif.com/chromabs)

## Fluorescent and HRP Secondary Antibodies

To get the most from your use of our primaries, Active Motif offers high-quality secondary antibodies conjugated to a wide variety of fluorescent dyes and to HRP.

Complete details: [www.activemotif.com/secondary](http://www.activemotif.com/secondary)

## ANTIBODY DEVELOPMENT PROCESS

At Active Motif, antibody development and testing is a very important and tightly controlled process, with many steps along the way. From the design of the immunogen to the specificity screening and technique validation, our years of expertise in antibody development ensure that only the highest quality antibodies are offered for use in your research.

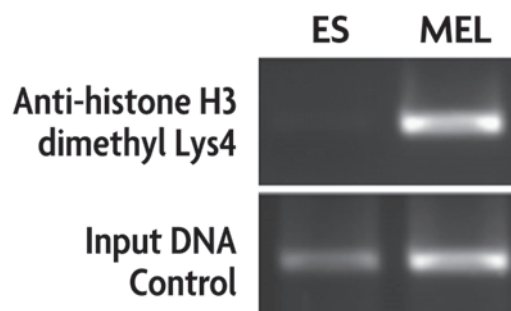


FIGURE 2:

### Chromatin immunoprecipitation of methylated histone H3.

ChIP was performed with Histone H3 dimethyl Lys4 pAb (Cat. No. 39141) using chromatin prepared from mouse embryonic stem cells (left lane) or mouse erythroleukemia cells (right lane). PCR primers specific for the  $\beta$ -globin gene were used to amplify a 210 base pair region of the promoter following isolation of DNA.

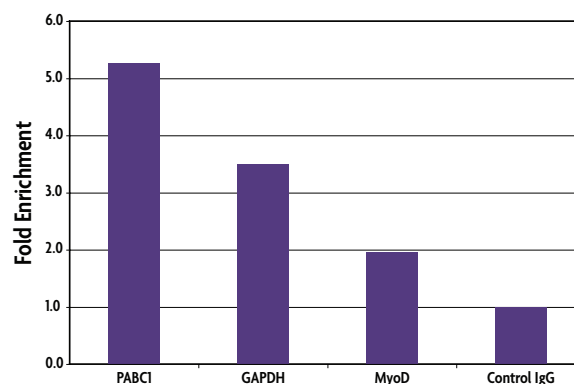


FIGURE 3:

### Histone H3 acetyl Lys14 pAb used in ChIP and analyzed by RT-qPCR.

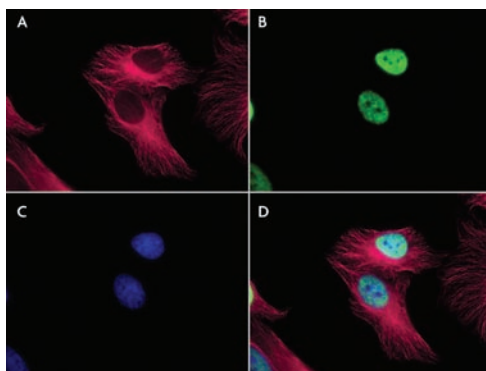
Chromatin IP was performed with the ChIP-IT™ Express Kit (Cat. No. 53008) and Ready-to-ChIP HeLa Chromatin (Cat. No. 53015) using 5  $\mu$ g of Histone H3 acetyl Lys14 pAb (Cat. No. 39697) or rabbit IgG as a negative control. Real time, quantitative PCR (RT-qPCR) was then performed using primer pairs specific for the indicated genes. Data are presented as Fold Enrichment of the ChIP antibody signal versus that of the negative control using the ddCT method.

For a list of all antibodies offered by Active Motif, please visit us at [www.activemotif.com/abs](http://www.activemotif.com/abs)

# Rigorous testing ensures performance.

## Immunogen selection

Immunogens are selected to decrease the likelihood of cross-reactivity with related proteins and to maximize detection of the protein in its native context. Immunogens for modification-specific antibodies are selected to ensure that the antibody recognizes the modified version of the protein only.



## Technique validation

Each antibody is validated for use in techniques such as ChIP (Figures 2 & 3) and IF (Figures 1, 4 & 8) so you can be confident when using them in your experiments.

FIGURE 4:

### Immunofluorescence testing.

HeLa cells stained with alpha Tubulin mAb in red (Cat. No. 39527, panels A and D), Histone H4 monomethyl Lys20 pAb in green (Cat. No. 39175, panels B and D) and DAPI nuclear stain in blue (panels C and D). Note the strong nuclear staining and absence of cytoplasmic staining in panel B, which is to be expected of an antibody to a histone modification.

## Specificity screening

The first test performed on every antibody is dot blot analysis, which ensures its specificity for the desired protein or modification (Figure 5). Antibodies that do not exhibit a greater than 25-fold selectivity for the desired modification are failed.

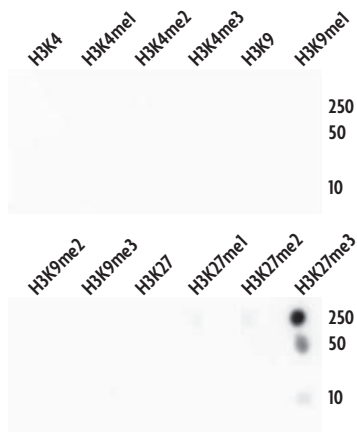


FIGURE 5:

### Dot blot analysis confirms specificity.

Ten, 50 and 250 picomole aliquots of synthetic peptides corresponding to histone H3 that is unmodified, mono-, di- or trimethylated at Lys4 (Lanes 1-4), Lys9 (Lanes 5-8) or Lys27 (Lanes 9-12) were spotted and probed with Histone H3 trimethyl Lys27 pAb (Cat. No. 39155), confirming the antibody's specificity for histone H3 trimethyl Lys27 (Lane 12). No cross-reactivity is observed for the unmodified Lys27 peptide (Lane 9) and only a hint of signal is observed at the 250 picomole spots for mono- (Lane 10) and dimethyl Lys27 (Lane 11).

## Western blot

Western blotting is performed to verify the antibody recognizes the correct molecular weight protein and does not cross-react with other proteins. Commonly used chemical treatments that stimulate a modification (e.g. HDAC inhibitors and acetylation) are used to better detect the modification (Figure 6).

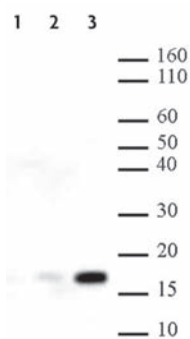


FIGURE 6:

### Western blot confirming size and modification.

Histone H2B acetyl Lys120 pAb (Cat. No. 39119) was tested by Western blot. No reactivity is observed on recombinant human histone H2B (Lane 1, 200 ng protein), as it is not acetylated. Lanes 2 and 3 contain 5 µg each of HeLa cell acid extract. Cells that were treated with a histone deacetylase inhibitor (sodium butyrate) prior to extraction have an increased signal (Lane 3), which is to be expected for an antibody to a site of acetylation.

## Additional specificity testing

Antibodies to histone modifications that exist in budding yeast (*S. cerevisiae*) can be further screened for specificity by testing strains of yeast that contain a point mutation at the position of the modified amino acid (Figure 7).

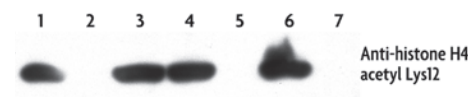


FIGURE 7:

### Mutational analysis of yeast modifications.

Histone H4 acetyl Lys12 pAb (Cat. No. 39165) was tested by Western blot using extracts from wild-type yeast or yeast containing a mutated histone H4 gene.

- Lane 1: Yeast with wild-type histone H4.
- Lane 2: H4 with the amino-terminal tail deleted.
- Lane 3: H4 with an arginine instead of lysine 5.
- Lane 4: H4 with an arginine instead of lysine 8.
- Lane 5: H4 with an arginine instead of lysine 12.
- Lane 6: H4 with an arginine instead of lysine 16.
- Lane 7: H4 with arginines instead of lysines 5, 8 & 12.

Note the absence of reactivity in yeast extracts in which lysine 12 is either missing or mutated (Lanes 2, 5 & 7).

For a list of all antibodies offered by Active Motif, please visit us at [www.activemotif.com/abs](http://www.activemotif.com/abs)

# High-quality Secondary Antibody Conjugates.

## Improved primary detection

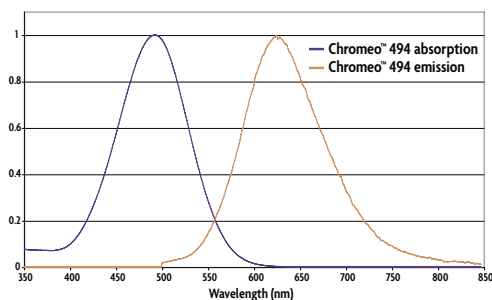
To provide you with a variety of choices for detecting your primary antibodies, Active Motif offers a variety of anti-mouse & anti-rabbit secondary antibodies that have been conjugated to a broad line of high-quality fluorescent molecules (Table 1), as well as HRP.

## Verified for a variety of applications

Active Motif's secondary conjugates are ideal for use in various applications including fluorescent microscopy and flow cytometry, where they have been shown to work with high efficiency and specificity under multiple fixation conditions. Of note, due to a very large Stokes shift of 134 nm (Figure 9), our red Chromeo™ 494 conjugates are ideal for multiplexing with 488-excitable, green fluorescent dyes (Figure 8). And, our Chromeo 488, ATTO 647N and ATTO 655 conjugates are certified and recommended by Leica Microsystems for use with its powerful STED (STimulated Emission Depletion) microscopes.

## Optimized conjugation method

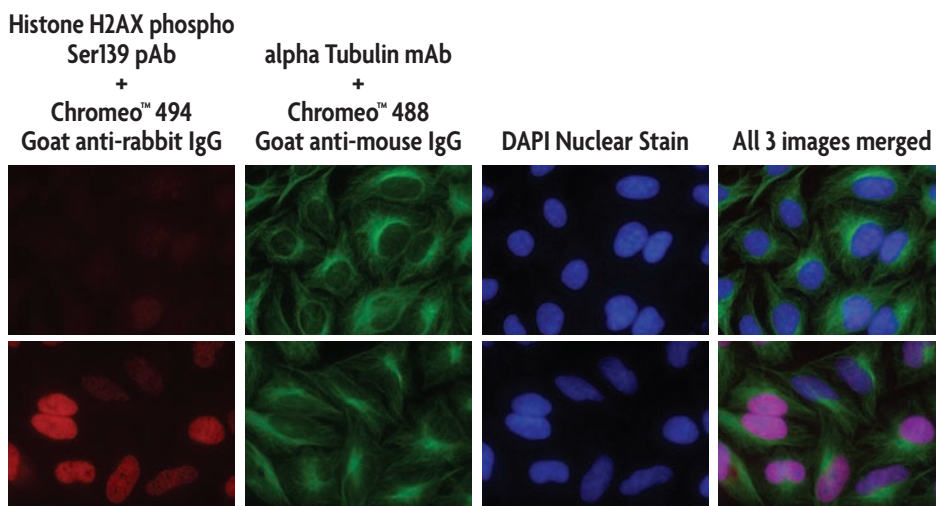
Next to the spectral properties of the dye and the quality of the secondary antibody, the quality of a fluorescent conjugate is influenced by the dye-to protein ratio, the conjugation method and its purity. All Active Motif Secondary Antibody Conjugates have been prepared by an optimized conjugation protocol that makes the fluorescence brighter while lowering the background, ensuring that you get the best results possible.



**FIGURE 9:**  
**Absorption and emission spectra of Chromeo 494.**  
The very large Stokes shift of Chromeo 494 (134 nm) makes it an ideal partner for multiplexing because while it is excited by the same sources used for fluorescein, FITC, Chromeo 488 and other 488 nm-excitable dyes, its red emission is separated completely from the green fluorescence emitted by these other 488-excitable dyes

Dye	Absorption	Emission	$\epsilon$ L/(mol-cm)	Stokes Shift
Chromeo™ 488	488 nm	517 nm	73,000	29 nm
Chromeo™ 494	494 nm	628 nm	55,000	134 nm
Chromeo™ 505	505 nm	526 nm	70,000	21 nm
Chromeo™ 546	545 nm	561 nm	98,800	16 nm
Chromeo™ 642	642 nm	660 nm	180,000	18 nm
ATTO 594	601 nm	627 nm	120,000	26 nm
ATTO 647N (STED)	644 nm	669 nm	150,000	25 nm
ATTO 655 (STED)	663 nm	684 nm	125,000	21 nm

**TABLE 1:**  
Properties of Active Motif's fluorescent conjugated secondary antibodies.



**FIGURE 8:**  
**Concurrent staining using Chromeo 488 and Chromeo 494 secondary antibody conjugates in untreated and etoposide-treated HeLa cells.**  
HeLa cells were either left untreated (row 1), or treated with 100  $\mu$ M etoposide for 6 hours (row 2), prior to fixation with methanol. The histone variant H2AX was then stained with Histone H2AX phospho Ser139 rabbit pAb (Cat. No. 39117) and Chromeo 494 goat anti-rabbit IgG (Cat. No. 15042), while tubulin was visualized using alpha Tubulin mouse mAb (Cat. No. 39527) and Chromeo 488 goat anti-mouse IgG (Cat. No. 15031). The nuclei were stained using DAPI nuclear stain, and the three separate images were then merged.

## Active Motif Antibodies (as of July 12, 2010)

For an up-to-date list of all available antibodies and for more comprehensive information on each antibody, including data, images and downloadable Technical Data Sheets, please visit our website at [www.activemotif.com/abs](http://www.activemotif.com/abs). Or, if you click any antibody name in the table below, you will be linked directly to its page on our website. To see our Fluorescent and HRP Secondary Antibody Conjugates, please go to the last page of this antibody list or go to [www.activemotif.com/secondary](http://www.activemotif.com/secondary).

Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
<b>NEW</b> 5-Hydroxymethylcytidine rabbit pAb	Raised against 5-Hydroxymethylcytidine conjugated to KLH.	H, M	DB	100 µg 10 µg	39791 39792
<b>NEW</b> 5-Hydroxymethylcytidine rabbit pAb	Raised against 5-Hydroxymethylcytidine conjugated to KLH.	H, M, WV	DB, IF, MeDIP	100 µl 10 µl	39769 39770
5-Methylcytidine mouse mAb (Clone 33D3)	Recognizes the modified 5-methylcytidine base in plant and vertebrate DNA.	WV	FC, IHC, MeDIP	50 µg	39649
Bridging Antibody for Mouse IgG	Raised against purified mouse IgG.	M	ChIP, IP	500 µg	53017
A20 mouse mAb	Raised against full-length human A20.	H	IP, WB	100 µg	40901
Acf1 rabbit pAb	Raised against the recombinant, C-terminal half of Drosophila Acf1.	Dr	IF, IP, WB	100 µl 10 µl	39721 39722
<b>NEW</b> Ago3 mouse mAb (Clone 4b1-F6)	Raised against a recombinant protein with amino acids 1-175 of human Ago3.	H, M	IF, IP	100 µg 10 µg	39787 39788
<b>NEW</b> Ago4 rabbit pAb	Raised against a peptide containing the N-terminal region of human Ago4.	H	WB	100 µl 10 µl	39813 39814
<b>NEW</b> AIB1 / SRC-3 rabbit pAb	Raised against a peptide derived from human AIB1 / SRC-3.	H	WB	100 µl 10 µl	39797 39798
Aiolos rabbit pAb	Raised against a GST-tagged, C-terminal half of mouse Aiolos.	M	IF, IP, WB	200 µl 10 µl	39293 39294
Aiolos mouse mAb (Clone 8B2)	Raised against the N-terminal half of mouse Aiolos.	M	ChIP, WB	100 µg 10 µg	39657 39658
AKT1 phospho Ser473 mouse mAb	Raised against a peptide with phospho-serine 473 of human AKT1.	H, M	WB	100 µg	40902
alpha Tubulin mouse mAb (Clone 5-B-1-2)	Raised against total protein purified from sea urchin sperm axonemes.	H, M, WV	IF, WB	200 µl 10 µl	39527 39528
AML-1/Runx1 rabbit pAb	Raised against amino acids 231-245 of human AML-1/Runx1.	H, M	WB	100 µl	39000
AML-2/Runx3 rabbit pAb	Raised against full-length human AML-2/Runx3.	H	SS, WB	100 µl	39301
AML-3/Runx2 rabbit pAb	Raised against amino acids 333-348 of human AML-3/Runx2.	H	SS	100 µl	39302
<b>NEW</b> Androgen Receptor rabbit pAb	Raised against a peptide of the N-terminal region of human Androgen Receptor.	H	WB	100 µl 10 µl	39781 39782
AP-1 Family Antibody Screening Kit	This kit contains c-Fos, c-Jun, FosB, Fra-2 & Jun B pAbs, and 3T3 & 3T6 extracts.	H, M	WB	10 rxns	39073
AP-2 rabbit pAb	Raised against amino acids 120-134 of human AP-2.	H	WB	100 µg	39001
AP-2 rabbit pAb	Raised against amino acids 120-134 of human AP-2.	H	ChIP, SS	17 rxns	39304

**Reactivity:** BY = Budding Yeast; FY = Fission Yeast; Ce = *C. elegans*; Mk = Monkey; Hm = Hamster; Dr = Drosophila; B = Bovine; H = Human; M = Mouse; R = Rat; Rb = Rabbit; WR = Wide range predicted; WM = Wide range, mammalian; WV = Wide range, vertebrate  
**Applications:** ChIP = Chromatin Immunoprecipitation; DB = Dot Blot; FC = Flow Cytometry; IF = Immunofluorescence; IHC = Immunohistochemistry; IP = Immunoprecipitation; MeDIP = Methyl-DNA Immunoprecipitation; SS = Supershift; WB = Western Blot

Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
AP-2γ rabbit pAb	Raised against amino acids 435-450 of human AP-2γ.	H	SS	17 rxns	39303
APE rabbit pAb	Peptide mixture of amino acids 36-52 and 216-232 of human APE.	H	WB	100 µg	39200
APEXL2 rabbit pAb	Raised against a peptide corresponding to human APEXL2.	H	WB	200 µl	39201
Dimethyl-Arginine, asymmetric rabbit pAb	Raised against a peptide with dimethyl-arginine (asymmetric).	All	IF, WB	200 µl	39231
				10 µl	39232
ASH2 rabbit pAb	Raised against full-length recombinant human ASH2 protein.	H, WV	IF, IP, WB	200 µl	39099
				10 µl	39100
ATF-2 rabbit pAb	Raised against amino acids 13-27 of human ATF-2.	H, R	SS	17 rxns	39305
ATF-2 rabbit pAb	Raised against amino acids 13-27 of human ATF-2.	H	WB	100 µg	40977
ATF-2 phospho Thr71 mouse mAb	Raised against a peptide with phospho-threonine 71 of human ATF-2.	H	WB	100 µg	40975
ATF-6 mouse mAb	Raised against a partial protein of amino acids 1-273 of human ATF-6.	H	IF, WB	100 µg	40962
ATM phospho Ser1981 mouse mAb (Clone 10H11.E.12)	Raised against a peptide with phospho-serine 1981 of human ATM.	H, M	IF	200 µl	39529
				10 µl	39530
Aurora B rabbit pAb	Raised against a peptide with the C-terminus of human Aurora B.	H, M, WR	IF, WB	200 µl	39261
				10 µl	39262
BAF57 rabbit pAb	Raised against full-length human BAF57.	H	WB	100 µl	39002
Bcl3 rabbit pAb	Raised against a C-terminal peptide of human Bcl3.	H	WB	100 µl	39761
Bcl10 mouse mAb (Clone 151)	Raised against full-length recombinant human Bcl10 protein.	H	WB	200 µg	39393
				10 µg	39394
NEW BRG-1 rat mAb (Clone 3G4)	Raised against a recombinant protein containing amino acids 214-279 of mouse BRG-1.	H	IF, WB	100 µg	39807
				10 µg	39808
BRG-1 rabbit pAb	Raised against a C-terminal peptide of human BRG-1.	H	WB	100 µg	39003
NEW BRM rat mAb (Clone 1H7A10)	Raised against a recombinant protein containing amino acids 48-214 of mouse BRM.	H	IF, WB	100 µg	39805
				10 µg	39806
Bub1 mouse mAb (Clone 145H)	Raised against amino acids 281-419 of human Bub1.	H, M	IF, WB	100 µg	39735
				10 µg	39736
BubR1 mouse mAb (Clone 8G1)	Raised against amino acids 1-350 of human BubR1.	H, M, WR	IF, WB	100 µg	39747
				10 µg	39748
c-Fos rabbit pAb	Raised against amino acids 358-372 of human c-Fos.	H, M	WB	100 µl	39008
c-Fos rabbit pAb	Raised against amino acids 358-372 of human c-Fos.	H, M	SS	100 µl	39308
c-Jun rabbit pAb	Raised against amino acids 20-37 of human c-Jun.	H, M	WB	100 µl	39009
c-Jun rabbit pAb	Raised against amino acids 20-37 of human c-Jun.	H, M	ChIP, IF, SS	100 µg	39309
c-Myc mouse mAb (61 kDa form)	Raised against amino acids 408-420 of human c-Myc; 61 kDa form.	H	WB	100 µl	39502
c-Myc rabbit pAb (61 kDa form)	Raised against amino acids 9-22 of human c-Myc; detects 61 kDa form.	H, M	WB	100 µl	39011
c-Myc rabbit pAb (65 kDa form)	Raised against amino acids 9-22 of human c-Myc; detects 65 kDa form.	H, Mk, M	WB	100 µl	39012

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Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
c-Rel rabbit pAb	Raised against amino acids 507-524 of human c-Rel.	H	SS, WB	100 µg	39311
C/EBPα rabbit pAb	Raised against amino acids 1-14 of human C/EBPα.	H, R	ChIP, IF, SS, WB	100 µg	39306
C/EBPβ rabbit pAb	Raised against amino acids 228-242 of human C/EBPβ.	H, R	SS, WB	100 µl	39307
CARM1 rabbit pAb	Raised against a peptide to the C-terminus of mouse CARM1.	H, M, R	WB	200 µl 10 µl	39251 39252
Caspase-3 mouse mAb	Raised against 6xHis-tagged, full-length human Caspase-3 protein.	H, M, R	WB	100 µg	40924
Caspase-7 mouse mAb	Raised against a recombinant human Caspase-7 protein.	H	WB	100 µg	40929
Caspase-8 mouse mAb	Raised against amino acids 217-222 of human Caspase-8.	H	FC, IHC, WB	100 µg	40930
Caspase-9 rabbit pAb (Pro-form)	Raised against amino acids 299 -318 of human Pro-Caspase-9.	H	WB	100 µg	40931
Caspase-14 mouse mAb	Raised against amino acids 2-18 of mouse Caspase-14.	H, M	WB	100 µg	40932
CENP-E mouse mAb (Clone 1H12)	Raised against full-length human CENP-E.	H, M	IF	200 µg 10 µg	39619 39620
CGBP rabbit pAb	Peptide mixture of amino acids 73-90 and 641-656 of human CGBP.	H, M	WB	200 µl	39203
CHD1 rabbit pAb	Raised against amino acids 251-467 of human CHD1.	H	ChIP, WB	100 µl 10 µl	39729 39730
CHD2 rabbit pAb	Raised against a peptide to the C-terminus of human CHD2.	H, WR	WB	200 µl 10 µl	39363 39364
CID rabbit pAb	Raised against recombinant CID protein from Drosophila.	Dr	WB	100 µl 10 µl	39713 39714
CID rabbit pAb	Raised against recombinant CID protein from Drosophila.	Dr	IF	100 µl 10 µl	39719 39720
Copine I rabbit pAb	Raised against amino acids 519-532 of human Copine I.	H	WB	200 µl 10 µl	39101 39102
CREB mouse mAb	Raised against a peptide corresponding to human CREB.	H	WB	100 µg	40961
CREB-1 rabbit pAb	Raised against amino acids 6-23 of human CREB-1.	H, R	WB	100 µl	39013
CREB-1 rabbit pAb	Raised against amino acids 6-23 of human CREB-1.	H, R	SS	17 rxns	39310
CTCF mouse mAb	Raised against human CTCF expressed in <i>Pichia pastoris</i> .	H, M	ChIP, WB	200 µg 10 µg	39621 39622
cyclin A mouse mAb	Raised against full-length human Cyclin A.	H	WB	100 µl	39503
cyclin A mouse mAb	Raised against full-length human Cyclin A.	H	SS	17 rxns	39600
cyclin B1 mouse mAb	Raised against a recombinant protein to human Cyclin B1.	H	WB	100 µl	39504
Cyk-4 phospho Ser170 rabbit pAb	Raised against a peptide with phospho-serine 170 of human Cyk-4.	H	IF, WB	200 µl 10 µl	39265 39266
D4-GDI mouse mAb	Raised against the Fas-induced cleavage site of human D4-GDI.	H	IP, WB	100 µg	40941
DAP-3 mouse mAb	Raised against amino acids 51-66 of human DAP-3.	H, M	WB	100 µg	40963
DAP-5 mouse mAb	Raised against amino acids 796-812 of human DAP-5.	H, M	WB	100 µg	40964

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Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
DcR3 mouse mAb	Raised against full-length human DcR3.	H	WB	100 µg	40933
<b>NEW</b> Dicer mouse mAb (Clone N167/7)	Raised against a recombinant protein containing amino acids 1638-1899 of mouse Dicer.	H, M	WB	100 µg 10 µg	39817 39818
DNMT1 mouse mAb	Raised against amino acids 637-651 of human DNMT1.	H, M	ChIP, IHC, IP, WB	100 µg	39204
DNMT2 rabbit pAb	Raised against amino acids 39-53 and 361-376 of mouse DNMT2.	H, M	WB	100 µg	39205
DNMT3A mouse mAb	Raised against full-length mouse DNMT3A.	H, M	ChIP, IF, IHC, WB	100 µg	39206
DNMT3B mouse mAb	Raised against full-length mouse DNMT3B.	H, M	ChIP, IF, IP, WB	100 µg	39207
DP Drosophila mouse mAb	Raised against full-length Drosophila DP protein.	Dr	WB	100 µl	39505
DP-1 rabbit pAb	Raised against full-length human DP-1.	H	SS	17 rxns	39312
DR4 mouse mAb	Raised against amino acids 1-20 of human DR4.	H	FC, WB	100 µg	40934
DR6 rabbit pAb	Raised against amino acid residues 371-655 of human DR6.	H	WB	100 µg	40927
DRAK1 rabbit pAb	Raised against amino acids 5 to 9 of human DRAK1.	H, M	WB	100 µg	40923
DRAK2 rabbit pAb	Raised against amino acids 351-365 of human DRAK2.	H	WB	100 µg	40926
<b>NEW</b> Drossha rabbit pAb	Raised against a peptide containing the C-terminal region of human Drossha.	H	WB	100 µl 10 µl	39783 39784
<b>NEW</b> E1A mouse mAb (Clone M73)	Raised against full-length recombinant Adenovirus 2 E1A.	Cells infected with Adenovirus	IF, IP, WB	100 µg 10 µg	39771 39772
E2F-1 mouse mAb	Raised against full-length human E2F-1.	H	ChIP, WB	100 µl	39506
E2F-1 mouse mAb	Raised against full-length human E2F-1.	H	SS	17 rxns	39601
E2F-1 rabbit pAb	Raised against amino acids 309-323 of human E2F-1.	H, M	SS	17 rxns	39313
E2F-3 mouse mAb	Raised against full-length human E2F-3.	H	WB	100 µl	39507
E2F-3 mouse mAb	Raised against full-length human E2F-3.	H	SS	17 rxns	39602
E2F-4 mouse mAb	Raised against full-length human E2F-4.	H	WB	100 µl	39508
E2F-4 mouse mAb	Raised against full-length human E2F-4.	H	SS	17 rxns	39603
E2F-6 mouse mAb	Raised against full-length human E2F-6.	H	ChIP, WB	100 µl	39509
E12 rabbit pAb	Raised against amino acids 525-538 of human E12.	H	WB	100 µl	39016
E47 rabbit pAb	Raised against amino acids 517-531 of human E47.	H, M, R	WB	100 µl	39017
E47 rabbit pAb	Raised against amino acids 517-531 of human E47.	H, M	SS	17 rxns	39314
EAR-3 rabbit pAb	Raised against amino acids 65-78 of human EAR-3.	H	WB	1000 µl	39077
EGF Receptor phospho Tyr992 rabbit pAb	Raised against a peptide with phospho-tyrosine 992 of human EGFR.	H	WB	200 µl	39094
Egr-1 rabbit pAb	Raised against full-length human Egr-1.	H	SS	17 rxns	39315
Elf-1 rabbit pAb	Raised against amino acids 89-102 of human Elf-1.	H	WB	100 µl	39019
Elk-1 rabbit pAb	Raised against amino acids 309-323 of human Elk-1.	H, M	WB	100 µl	39020
ERα mouse mAb	Raised against full-length human ERα.	H	WB	100 µl	39510

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Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
ER $\alpha$ rabbit pAb	Raised against amino acids 145-159 of human ER $\alpha$ .	H	IF, IHC, WB	100 $\mu$ l	39021
ER $\alpha$ rabbit pAb	Raised against amino acids 145-159 of human ER $\alpha$ .	H, M	SS	17 rxns	39316
Estrogen Receptor $\beta$ mouse mAb (Clone CO1531)	Raised against amino acids 212-477 of human ER $\beta$ .	H	IF, IHC, IP, WB	100 $\mu$ g 10 $\mu$ g	39767 39768
Ets-1 rabbit pAb	Raised against the C-terminal half of recombinant mouse Ets-1.	H	WB	200 $\mu$ l 10 $\mu$ l	39580 39581
<b>NEW</b> EuHMT1 rabbit pAb	Raised against amino acids 212-477 of human ER $\beta$ .	H	WB	100 $\mu$ g 10 $\mu$ g	39777 39778
EZH2 rabbit pAb	Raised against amino acids 1-370 of recombinant mouse EZH2.	H, M	ChIP, WB	100 $\mu$ g	39639
FosB mouse mAb	Raised against amino acids 2-14 of human FosB.	H	WB	100 $\mu$ g	40960
FosB rabbit pAb	Raised against amino acids 2-14 of human FosB.	H, M	WB	100 $\mu$ l	39022
FosB rabbit pAb	Raised against amino acids 2-14 of human FosB.	H, M	SS	17 rxns	39318
FosB rabbit pAb	Raised against a peptide corresponding to human FosB.	H	WB	100 $\mu$ g	40959
FOXO1/FKHR rabbit pAb	Raised against a peptide to the C-terminal region of human FOXO1/FKHR.	H	WB	200 $\mu$ l 10 $\mu$ l	39629 39630
Fra-2 rabbit pAb	Raised against amino acids 289-305 of human Fra-2.	H, M	WB	100 $\mu$ l	39023
GAGA Drosophila rabbit pAb	Raised against amino acids 372-385 of Drosophila GAGA.	Dr	WB	100 $\mu$ l	39024
GATA-1 rabbit pAb	Raised against amino acids 66-78 of human GATA-1.	H, M, R	WB	100 $\mu$ l	39025
GATA-1 rabbit pAb	Raised against amino acids 66-78 of human GATA-1.	H	SS	17 rxns	39319
<b>NEW</b> GCN5 rabbit pAb	Raised against a peptide to the N-terminal region of human GCN5.	H	WB	100 $\mu$ l 10 $\mu$ l	39831 39832
GR rabbit pAb	Raised against amino acids 204-217 of human GR.	H	WB	100 $\mu$ l	39027
HA Tag mouse mAb (Clone 3B9)	Raised against synthetic peptide containing multiple repeats of the HA tag epitope, YPYDVPDYA.	All	IP	200 $\mu$ g 10 $\mu$ g	39627 39628
Hbo1 rabbit pAb	Raised against a peptide to amino acids 158-172 of human Hbo1.	H, WV	WB	200 $\mu$ l 10 $\mu$ l	39105 39106
HBP-1 mouse mAb	Raised against full-length human HBP-1.	H, R	ChIP, IF, WB	100 $\mu$ l	39511
HDAC1 mouse mAb (Clone 10E2)	KLH-peptide to amino acids 467-482 of human and murine HDAC1.	H, M, R	ChIP, IF, IHC, IP, WB	200 $\mu$ l 10 $\mu$ l	39531 39532
HDAC1 rabbit pAb	Peptide mixture of amino acids 1-5, 433-448, 467-482 of human HDAC1.	H	WB	100 $\mu$ g	40967
HDAC2 mouse mAb (Clone 3F3)	KLH-peptide to amino acids 541-556 of human HDAC2.	H, M, R	ChIP, IF, IHC, IP, WB	200 $\mu$ l 10 $\mu$ l	39533 39534
HDAC3 rabbit pAb	Raised against amino acids 2-17 of human HDAC3.	H	ChIP, WB	100 $\mu$ g	40968
HDAC3 mouse mAb (Clone 3G6)	Raised against amino acids 411-428 of human HDAC3.	H	IP, WB	100 $\mu$ g 10 $\mu$ g	39717 39718
HDAC4 rabbit pAb	Raised against amino acids 194-209 of human HDAC4.	H	ChIP, WB	100 $\mu$ g	40969

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Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
HDAC5 rabbit pAb	Raised against amino acids 572-587 of human HDAC5.	H, M	ChIP, WB	100 µg	40970
HDAC6 rabbit pAb	Raised against amino acids 1-16 of human HDAC6.	H, M	ChIP, WB	100 µg	40971
<b>NEW</b> HDAC9 rabbit pAb	Raised against a peptide containing the C-terminal region of human HDAC9.	H	WB	100 µl 10 µl	39793 39794
HDAC11 rabbit pAb	Raised against amino acids 238-251 of human HDAC11.	H, M	WB	200 µl	39208
HIF-1 alpha rabbit pAb	Raised against a peptide to the N-terminal region of human HIF-1 alpha.	H	WB	100 µl 10 µl	39665 39666
HIPK1 mouse mAb	Raised against a recombinant protein including amino acids 702-925 of mouse HIPK1.	M	IF	100 µg 10 µg	39725 39726
HIPK2 mouse mAb	Raised against a recombinant protein including amino acids 898-1051 of mouse HIPK2.	H	IF, IHC, IP, WB	100 µg 10 µg	39677 39678
HIRA mouse mAb (Clone WC15)	Raised against amino acids 421-729 of GST-tagged human HIRA.	H, M	IP	200 µg 10 µg	39555 39556
HIRA mouse mAb (Clone WC119.2H11)	Raised against amino acids 421-729 of GST-tagged human HIRA.	H, M	WB	200 µg 10 µg	39557 39558
Histone H1 rabbit pAb	Raised against calf thymus histone H1.	H, WR	WB	100 µl 10 µl	39707 39708
Histone H1 rabbit pAb	Raised against recombinant <i>Drosophila</i> histone H1.	Dr	IF, IP, WB	100 µl	39575
Histone H2A rabbit pAb	Raised against recombinant yeast histone H2A.	BY, FY	ChIP, WB	200 µl 10 µl	39235 39236
Histone H2A rabbit pAb	Peptide mixture of amino acids 1-5 and 81-96 of human histone H2A.	H	WB	100 µg	39209
Histone H2A, acidic patch rabbit pAb	Raised against a peptide with amino acids 89-91 of human histone H2A.	H, WR	ChIP, WB	200 µl 10 µl	39111 39112
Histone H2A, C-terminal rabbit pAb	Raised against a peptide with the C-terminal region of human histone H2A.	H, WM	WB	200 µl 10 µl	39591 39592
Histone H2A acetyl Lys5 rabbit pAb	Raised against a peptide with acetyl-lysine 5 of human histone H2A.	H, WR	WB	200 µl 10 µl	39107 39108
Histone H2A acetyl Lys9 rabbit pAb	Raised against a peptide with acetyl-lysine 9 of human histone H2A.	H, WR	WB	200 µl 10 µl	39109 39110
Histone H2A phospho Thr120 rabbit pAb	Raised against a peptide with phospho-threonine 120 of human histone H2A.	H, WR	WB	200 µl 10 µl	39391 39392
Histone H2A phospho Ser129 rabbit pAb	Raised against peptide with phospho-serine 129 of budding yeast H2A.	BY	ChIP, IF, IP, WB	200 µl 10 µl	39271 39272
Histone macroH2A1 rabbit pAb	Raised against the N-terminal half of recombinant mouse macroH2A1.	H, M	IF, WB	200 µl 10 µl	39593 39594
Histone H2A/H4 phospho Ser1 rabbit pAb	Raised against a peptide with phospho-serine 1 of human histone H2A.	H, WR	WB	200 µl 10 µl	39115 39116

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	Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
NEW	Histone H2Av rabbit pAb	Raised against a peptide in the C-terminus of the <i>Drosophila melanogaster</i> histone variant H2Av.	Dr	WB	100 µl	39715
					10 µl	39716
	Histone H2AX rabbit pAb	Raised against a peptide to the C-terminus of human histone H2AX.	H	WB	100 µl	39689
					10 µl	39690
	Histone H2AX phospho Ser139 rabbit pAb	Raised against a peptide with phospho-serine 139 of human histone H2AX.	H, WM	IF, WB	200 µg	39117
					10 µg	39118
	Histone H2A.Z rabbit pAb	Raised against a peptide to the C-terminus of human histone H2A.Z.	H, WR	ChIP, WB	200 µl	39113
					10 µl	39114
	Htz1 rabbit pAb	Raised against full-length Htz1 protein, the <i>S. cerevisiae</i> homolog of Histone H2A.Z.	BY	ChIP, WB	100 µl	39647
					10 µl	39648
	Pht1 / H2AZ rabbit pAb	Raised against a peptide with the C-terminus of Pht1, the Histone H2A variant in <i>S. pombe</i> .	FY	WB	100 µl	39640
					10 µl	39641
	Pht1 / H2AZ acetyl rabbit pAb	Raised against a peptide with acetyl-lysine at positions 5, 7, 12 and 16 from the amino terminus of Pht1, the Histone H2A variant in <i>S. pombe</i> .	FY	WB	100 µl	39642
					10 µl	39643
	Histone H2B rabbit pAb	Raised against a peptide with the C-terminus of human histone H2B.	H, WR	WB	200 µl	39125
					10 µl	39126
	Histone H2B rabbit pAb	Raised against recombinant yeast histone H2B.	BY, FY	ChIP, WB	200 µl	39237
					10 µl	39238
	Histone H2B rabbit pAb	Raised against amino acids 111-125 of human histone H2B.	H	WB	100 µg	39210
	Histone H2B acetyl Lys5 rabbit pAb	Raised against a peptide with acetyl-lysine 5 of human histone H2B.	H, WR	ChIP, WB	200 µl	39123
					10 µl	39124
	Histone H2B acetyl Lys12 rabbit pAb	Raised against a peptide with acetyl-lysine 12 of human histone H2B.	H, WR	ChIP, WB	100 µl	39669
					10 µl	39670
	Histone H2B acetyl Lys16 rabbit pAb	Raised against a peptide with acetyl-lysine 16 of human histone H2B.	H, WR	ChIP, WB	200 µl	39121
					10 µl	39122
	Histone H2B acetyl Lys46 rabbit pAb	Raised against a peptide with acetyl-lysine 46 of human histone H2B.	H, WR	ChIP, WB	200 µl	39571
					10 µl	39572
	Histone H2B dimethyl Lys46 rabbit pAb	Peptide containing dimethyl-lysine 46 of human histone H2B.	H, WR	IF, WB	200 µl	39567
					10 µl	39568
	Histone H2B acetyl Lys120 rabbit pAb	Raised against a peptide with acetyl-lysine 120 of human histone H2B.	H, WR	ChIP, WB	200 µl	39119
					10 µl	39120
NEW	Histone H2B ubiquityl Lys120 mouse mAb (Clone 56)	Raised against a branched peptide corresponding the the ubiquitin conjugation site at Lys120 of human Histone H2B.	H, WR	ChIP, WB	100 µg	39623
					10 µg	39624
	Histone H3 mouse mAb (Clone MABI 0301)	Raised against an N-terminal peptide of human histone H3.	H, WR	ChIP, IF, WB	100 µg	39763
	Histone H3, C-terminal rabbit pAb	Raised against a C-terminal peptide of human histone H3.	BY, H, WR	ChIP, WB	200 µl	39163
					10 µl	39164
	Histone H3.cs1 rabbit pAb	Raised against peptide with a Cathepsin L cleavage site at N-terminal histone H3.	H	WB	200 µl	39573
					10 µl	39574

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Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
Histone H3 acetyl rabbit pAb	Raised against peptide with acetyl-lysines at the H3 N-terminal tail.	H, WR	ChIP, WB	200 µl 10 µl	39139 39140
Histone H3 dimethyl Arg2 symmetric rabbit pAb	Raised against a peptide with dimethyl-arginine 2 (symmetric) of human histone H3.	H, WR	WB	100 µl 10 µl	39703 39704
Histone H3 phospho Thr3 rabbit pAb	Raised against a peptide with phospho-threonine 3 of human histone H3.	H, WR	WB	200 µl 10 µl	39153 39154
Histone H3 acetyl Lys4 rabbit pAb	Raised against a peptide with acetyl-lysine 4 of human histone H3.	H, WR	ChIP, IF, WB	200 µl 10 µl	39381 39382
Histone H3 monomethyl Lys4 mouse mAb (Clone MABI 0302)	Raised against a peptide with monomethyl-lysine 4 of human histone H3.	H, WR	ChIP, WB	100 µg	39635
Histone H3 monomethyl Lys4 rabbit pAb	Raised against peptide with monomethyl-lysine 4 of human histone H3.	H, WR	IF, WB	200 µl 10 µl	39297 39298
Histone H3 dimethyl Lys4 mouse mAb (Clone MABI 0303)	Raised against a peptide with dimethyl-lysine 4 of human histone H3.	H, WR	ChIP, IF, WB	100 µg	39679
Histone H3 dimethyl Lys4 rabbit pAb	Raised against a peptide with dimethyl-lysine 4 of human histone H3.	H, WR	ChIP, WB	200 µl 10 µl	39141 39142
Histone H3 trimethyl Lys4 rabbit pAb	Raised against a peptide with trimethyl-lysine 4 of human histone H3.	BY, H, WR	ChIP, WB	200 µl 10 µl	39159 39160
Histone H3 monomethyl Arg8 rabbit pAb	Raised against a peptide with monomethyl-arginine 8 of human histone H3.	H, WR	WB	100 µl 10 µl	39673 39674
Histone H3 dimethyl Arg8 asymmetric rabbit pAb	Raised against a peptide with dimethyl-arginine 8 (asymmetric) of human histone H3.	H	WB	100 µl 10 µl	39651 39652
Histone H3 acetyl Lys9 rabbit pAb	Raised against a peptide with acetyl-lysine 9 of human histone H3.	H, WR	ChIP, WB	200 µl 10 µl	39137 39138
Histone H3 acetyl Lys9 rabbit pAb	Raised against a peptide with acetyl-lysine 9 of human histone H3.	H, WR	IF, WB	200 µl 10 µl	39585 39586
Histone H3 pan-methyl Lys9 rabbit pAb	Raised against a peptide with methyl-lysine 9 of human histone H3.	H, WR	IF, WB	200 µl 10 µl	39241 39242
Histone H3 monomethyl Lys9 mouse mAb (Clone MABI 0306)	Raised against a peptide with monomethyl-lysine 9 of human histone H3.	H, WR	ChIP, WB	100 µg	39681
Histone H3 monomethyl Lys9 rabbit pAb	Raised against a peptide with monomethyl-lysine 9 of human histone H3.	H, WR	IF, WB	200 µl 10 µl	39249 39250
Histone H3 dimethyl Lys9 mouse mAb (Clone MABI 0307)	Raised against a peptide with dimethyl-lysine 9 of human histone H3.	H, WR	ChIP, IF, WB	100 µg	39683
Histone H3 dimethyl Lys9 rabbit pAb	Raised against a peptide with dimethyl-lysine 9 of human histone H3.	H, M, WR	ChIP, IF, WB	200 µl 10 µl	39239 39240
Histone H3 dimethyl Lys9 rabbit pAb	Raised against a peptide with dimethyl-lysine 9 of human histone H3.	H, WR	ChIP, IF, WB	200 µl 10 µl	39375 39376

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Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
Histone H3 dimethyl Lys9 rabbit pAb	Raised against a peptide with dimethyl-lysine 9 of human histone H3.	H, WR	ChIP, WB	100 µg 10 µg	39753 39754
Histone H3 trimethyl Lys9 rabbit pAb	Raised against a peptide with trimethyl-lysine 9 of human histone H3.	FY, H, WR	ChIP, WB	200 µl 10 µl	39161 39162
Histone H3 trimethyl Lys9 mouse mAb (Clone 2AG-6F12-H4)	Raised against a peptide with trimethyl-lysine 9 of human histone H3.	H, WR	IF, IP, WB	200 µl 10 µl	39285 39286
Histone H3 trimethyl Lys9 rabbit pAb	Raised against a peptide with trimethyl-lysine 9 of human histone H3.	H, WR	WB	100 µg 10 µg	39765 39766
Histone H3 phospho Ser10 mouse mAb (Clone MABI 0312)	Raised against a peptide with phospho-serine 10 of human histone H3.	H, WR	IF	100 µg	39636
Histone H3 phospho Ser10 rabbit pAb	Raised against a peptide with phospho-serine 10 of human histone H3.	H, WR	ChIP, IF, WB	200 µl 10 µl	39253 39254
Histone H3 phospho Ser10,28 rabbit pAb	Raised against a peptide with phospho-serine 28 of human histone H3.	H, WR	ChIP, IF, WB	200 µl 10 µl	39147 39148
Histone H3 phospho Thr11 rabbit pAb	Raised against a peptide with phospho-threonine 11 of human histone H3.	H, WR	WB	200 µl 10 µl	39151 39152
Histone H3 acetyl Lys14 rabbit pAb	Raised against a peptide with acetyl-lysine 14 of human histone H3.	H, WR	ChIP, WB	200 µl 10 µl	39599 39616
Histone H3 acetyl Lys14 rabbit pAb	Raised against a peptide with acetyl-lysine 14 of human histone H3.	H, WR	ChIP, WB	100 µg 10 µg	39697 39698
Histone H3 dimethyl Lys14 rabbit pAb	Raised against a peptide with dimethyl-lysine 14 of human histone H3.	H, WR	WB	200 µl 10 µl	39349 39350
Histone H3 dimethyl Arg17 symmetric rabbit pAb	Raised against a peptide with dimethyl-arginine 17 (symmetric) of human histone H3.	H, WR	WB	100 µg 10 µg	39709 39710
Histone H3 acetyl Lys18 rabbit pAb	Raised against a peptide with acetyl-lysine 18 of human histone H3.	H, WR	ChIP, IF, WB	100 µl 10 µl	39693 39694
Histone H3 acetyl Lys18 rabbit pAb	Raised against a peptide with acetyl-lysine 18 of human histone H3.	H, WR	ChIP, WB	100 µg 10 µg	39755 39756
Histone H3 acetyl Lys18 rabbit pAb	Raised against a peptide with acetyl-lysine 18 of human histone H3.	H, WR	ChIP, IF, WB	200 µl 10 µl	39587 39588
Histone H3 acetyl Lys18 rabbit pAb	Raised against a peptide with acetyl-lysine 18 of human histone H3.	H, WR	IF, WB	200 µl 10 µl	39129 39130
Histone H3 monomethyl Lys18 rabbit pAb	Raised against a peptide with monomethyl-lysine 18 of human histone H3.	H	WB	100 µl 10 µl	39667 39668
Histone H3 acetyl Lys23 rabbit pAb	Raised against a peptide with acetyl-lysine 23 of human histone H3.	H, WR	ChIP, IF, WB	200 µl 10 µl	39131 39132
Histone H3 monomethyl Lys23 rabbit pAb	Raised against a peptide with monomethyl-lysine 23 of human histone H3.	H, WR	WB	200 µl 10 µl	39387 39388

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Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
Histone H3 dimethyl Lys23 rabbit pAb	Raised against a peptide with dimethyl-lysine 23 of human histone H3.	H	WB	100 µl 10 µl	39653 39654
Histone H3 acetyl Lys27 mouse mAb (Clone MABI 0309)	Raised against a peptide with acetyl-lysine 27 of human histone H3.	H, WR	ChIP, IF, WB	100 µg	39685
Histone H3 acetyl Lys27 rabbit pAb	Raised against a peptide with acetyl-lysine 27 of human histone H3.	BY, H, WR	ChIP, IF, WB	200 µg 10 µg	39133 39134
Histone H3 acetyl Lys27 rabbit pAb	Raised against a peptide with acetyl-lysine 27 of human histone H3.	BY, H, WR	ChIP, WB	200 µl 10 µl	39135 39136
Histone H3 monomethyl Lys27 rabbit pAb	Raised against peptide with monomethyl-lysine 27 of human histone H3.	H, WR	IF, WB	200 µl 10 µl	39377 39378
Histone H3 dimethyl Lys27 rabbit pAb	Raised against a peptide with dimethyl-lysine 27 of human histone H3.	H, WR	ChIP, IF, WB	200 µl 10 µl	39245 39246
Histone H3 trimethyl Lys27 mouse mAb	Raised against a peptide with trimethyl-lysine 27 of human histone H3.	H, WR	ChIP, WB	200 µl 10 µl	39535 39537
Histone H3 trimethyl Lys27 mouse mAb	Raised against a peptide with trimethyl-lysine 27 of human histone H3.	H, WR	IF, WB	200 µl 10 µl	39536 39538
Histone H3 trimethyl Lys27 rabbit pAb	Raised against a peptide with trimethyl-lysine 27 of human histone H3.	H, WR	ChIP, IF, WB	200 µg 10 µg	39155 39157
Histone H3 trimethyl Lys27 rabbit pAb	Raised against a peptide with trimethyl-lysine 27 of human histone H3.	H, WR	ChIP, WB	200 µl 10 µl	39156 39158
Histone H3 phospho Ser28 rat mAb (Clone HTA28)	Raised against a peptide with phospho-serine 28 of human histone H3.	H, M, R	IF, WB	100 µl	39098
Histone H3 phospho Ser28 rabbit pAb	Raised against a peptide with phospho-serine 28 of human histone H3.	H, WR	WB	200 µl 10 µl	39149 39150
Histone H3.3 phospho Ser31 rabbit pAb	Raised against a peptide with phospho-serine 31 of human histone H3.3.	H	WB	200 µl 10 µl	39637 39638
Histone H3 acetyl Lys36 rabbit pAb	Raised against a peptide with acetyl-lysine 36 of human histone H3.	H, WR	ChIP, IF, WB	200 µl 10 µl	39379 39380
Histone H3 dimethyl Lys36 rabbit pAb	Raised against a peptide with dimethyl-lysine 36 of human histone H3.	BY, H, WR	IF, WB	200 µl 10 µl	39255 39256
Histone H3 phospho Thr45 rabbit pAb	Raised against a peptide with phospho-threonine 45 of human histone H3.	BY, H, WR	WB	100 µl 10 µl	39737 39738
Histone H3 acetyl Lys56 rabbit pAb	Raised against peptide with acetyl-lysine 56 of yeast histone H3.	BY, H	ChIP, WB	200 µl 10 µl	39281 39282
Histone H3 monomethyl Lys56 rabbit pAb	Raised against peptide with monomethyl-lysine 56 of human histone H3.	H	WB	200 µl 10 µl	39273 39274
Histone H3 dimethyl Lys56 rabbit pAb	Raised against a peptide with dimethyl-lysine 56 of human histone H3.	H	WB	200 µl 10 µl	39277 39278

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Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
Histone H3 acetyl Lys64 rabbit pAb	Raised against a peptide with acetyl-lysine 64 of human histone H3.	BY, H, WR	ChIP, IF, WB	200 µl 10 µl	39545 39546
Histone H3 acetyl Lys79 rabbit pAb	Peptide containing acetyl-lysine 79 of human histone H3.	H, WR	ChIP, WB	200 µl 10 µl	39565 39566
Histone H3 monomethyl Lys79 rabbit pAb	Raised against a peptide with monomethyl-lysine 79 of human histone H3.	H, WR	WB	200 µl 10 µl	39145 39146
Histone H3 dimethyl Lys79 rabbit pAb	Raised against a peptide with dimethyl-lysine 79 of human histone H3.	H, WR	WB	200 µl 10 µl	39143 39144
Histone H3 monomethyl Lys122 rabbit pAb	Raised against a peptide with monomethyl-lysine 122 of human H3.	H, WR	WB	200 µl 10 µl	39367 39368
Histone H4 rabbit pAb	Raised against recombinant human histone H4.	H, WR	WB	200 µl 10 µl	39269 39270
Histone H4 pan-acetyl rabbit pAb	Raised against a peptide of Tetrahymena histone H2A acetylated at multiple lysines.	H, WR	ChIP, IF, WB	200 µl 10 µl	39243 39244
Histone H4 tetra-acetyl rabbit pAb	Raised against a peptide of Tetrahymena hv1 acetylated at multiple lysines.	BY, H, WR	IF, WB	50 µg 10 µg	39177 39227
Histone H4 tetra-acetyl rabbit pAb	Raised against a peptide of Tetrahymena hv1 acetylated at multiple lysines.	BY, H, WR	ChIP, WB	50 µl 10 µl	39179 39228
Histone H4 dimethyl Arg3, asymmetric rabbit pAb	Raised against a peptide with dimethyl-arginine 3 (asymmetric) of human histone H4.	H, WR	IF, WB	100 µl 10 µl	39705 39706
Histone H4 acetyl Lys5 rabbit pAb	Raised against a peptide with acetyl-lysine 5 of human histone H4.	H, WR	ChIP, IF, WB	200 µl 10 µl	39169 39170
Histone H4 acetyl Lys5 rabbit pAb	Raised against a peptide with acetyl-lysine 5 of human histone H4.	H, WR	ChIP, IF, WB	200 µl 10 µl	39583 39584
Histone H4 acetyl Lys5 rabbit pAb	Raised against a peptide with acetyl-lysine 5 of human histone H4.	H, WR	ChIP, WB	100 µg 10 µg	39699 39700
Histone H4 acetyl Lys8 rabbit pAb	Raised against a peptide with acetyl-lysine 8 of human histone H4.	H, WR	WB	200 µl 10 µl	39171 39172
Histone H4 acetyl Lys12 rabbit pAb	Raised against a peptide with acetyl-lysine 12 of human histone H4.	BY, H, WR	ChIP, IF, WB	200 µl 10 µl	39165 39166
Histone H4 acetyl Lys16 rabbit pAb	Raised against a peptide with acetyl-lysine 16 of human histone H4.	BY, Dr, H, WR	ChIP, WB	200 µl 10 µl	39167 39168
Histone H4 monomethyl Lys20 mouse mAb (Clone 5E10-D8)	Raised against a peptide with monomethyl-lysine 20 of human histone H4.	H, WR	WB	100 µg 10 µg	39727 39728
Histone H4 monomethyl Lys20 rabbit pAb	Raised against a peptide with monomethyl-lysine 20 of human histone H4.	H, WR	ChIP, IF, WB	200 µl 10 µl	39175 39176
Histone H4 dimethyl Lys20 mouse mAb	Raised against a peptide with dimethyl-lysine 20 of human histone H4.	H, WR	WB	200 µl 10 µl	39539 39540

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**Applications:** ChIP = Chromatin Immunoprecipitation; DB = Dot Blot; FC = Flow Cytometry; IF = Immunofluorescence; IHC = Immunohistochemistry; IP = Immunoprecipitation; MeDIP = Methyl-DNA Immunoprecipitation; SS = Supershift; WB = Western Blot

Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
Histone H4 dimethyl Lys20 rabbit pAb	Raised against a peptide with dimethyl-lysine 20 of human histone H4.	H, WR	ChIP, IF, WB	200 µl 10 µl	39173 39174
Histone H4 trimethyl Lys20 mouse mAb (Clone 6F8-D9)	Raised against a peptide with trimethyl-lysine 20 of human histone H4.	H, M, WR	ChIP, WB	100 µg 10 µg	39671 39672
Histone H4 trimethyl Lys20 rabbit pAb	Raised against a peptide with trimethyl-lysine 20 of human histone H4.	H, WR	ChIP, IF, WB	200 µl 10 µl	39180 39181
Histone H4 monomethyl Lys31 rabbit pAb	Raised against a peptide with monomethyl lysine 31 of human histone H4.	H, WR	WB	200 µl 10 µl	39385 39386
HMG-1 rabbit pAb	Raised against amino acids 167-182 of human HMG-1.	H	WB	200 µl 10 µl	39551 39552
HMG-2 rabbit pAb	Raised against amino acids 166-181 of human HMG-2.	H	WB	100 µl	39029
HMGAl rabbit pAb	Raised against a peptide containing the N-terminal region of human HMGAl.	H	WB	100 µl 10 µl	39615 39650
<b>NEW</b> HMGNI rabbit pAb	Raised against a peptide containing the C-terminal region of human HMGNI.	H	WB	100 µl 10 µl	39833 39834
HNF-1α rabbit pAb	Raised against amino acids 540-555 of human HNF-1α.	H, M, R	WB	100 µl	39030
HNF-1α rabbit pAb	Raised against amino acids 540-555 of human HNF-1α.	H, M, R	SS	17 rxns	39321
HNF-3α rabbit pAb	Raised against amino acids 150-165 of human HNF-3α.	H, R	SS	17 rxns	39322
HNF-3β rabbit pAb	Raised against amino acids 295-311 of human HNF-3β.	H	WB	100 µl	39096
HNF-3γ rabbit pAb	Raised against amino acids 287-299 of human HNF-3γ.	H, R	WB	100 µl	39031
HNF-3γ rabbit pAb	Raised against amino acids 287-299 of human HNF-3γ.	H	SS	17 rxns	39323
<b>NEW</b> HOXA9 rabbit pAb	Raised against a peptide containing the N-terminal region of human HOXA9.	H	WB	100 µl 10 µl	39825 39826
HP1 alpha rabbit pAb	Raised against a recombinant protein to full-length mouse HP1 alpha.	H, M	WB	200 µl 10 µl	39295 39296
HP1 gamma phospho Ser93 rabbit pAb	Raised against a peptide with phospho-serine 93 of human HP1 gamma.	H	WB	100 µl 10 µl	39655 39656
HSF-1 rabbit pAb	Raised against amino acids 296-310 of human HSF-1.	H, R	SS	17 rxns	39324
Ikaros mouse mAb	Raised against the N-terminal half of mouse Ikaros.	M	WB	200 µl 10 µl	39355 39356
Ikaros rabbit pAb	Raised against the N-terminal half of mouse Ikaros.	M	WB	200 µl 10 µl	39291 39292
IκBα mouse mAb	Raised against amino acids 32-391 of recombinant human IκBα.	H, M	IP, WB	100 µg	40903
IκBα phospho Ser32,36 mouse mAb	Raised against a peptide with phospho-serine 32 and 36 of human IκBα.	H	WB	100 µg	40904
IκBε rabbit pAb	Raised against amino acids 199-212 of human IκBε.	H, R	WB	100 µl	39032
IκBγ rabbit pAb	Raised against amino acids 593-607 of human IκBγ.	H	WB	1000 µl	39078

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Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
IKK $\alpha$ mouse mAb	Raised against full-length human IKK $\alpha$ .	H, M	IP, WB	100 $\mu$ g	40905
IKK $\beta$ mouse mAb (Clone 10AG2)	Raised against 6xHis-tagged, full-length human IKK $\beta$ .	H	WB	100 $\mu$ g	40906
IKK $\beta$ mouse mAb (Clone 10A9B6)	Raised against 6xHis-tagged, full-length human IKK $\beta$ .	H	IP, WB	100 $\mu$ g	40907
IKK $\gamma$ mouse mAb	Raised against full-length human IKK $\gamma$ .	H	WB	100 $\mu$ g	40908
IKKi/IKK $\epsilon$ mouse mAb	Raised against amino acids 175-188 of human IKKi/IKK $\epsilon$ .	H, M, R	WB	100 $\mu$ g	40950
IKKi/IKK $\epsilon$ rabbit pAb	Raised against amino acids 175-188, 525-540 & 567-580 of human IKKi/IKK $\epsilon$ .	H	WB	100 $\mu$ g	40957
INCENP mouse mAb	Raised against amino acids 231-398 of recombinant human INCENP.	H, M, WR	IF	200 $\mu$ g 10 $\mu$ g	39259 39260
INHAT-1/TAF-1 $\alpha$ /TAF-1 $\beta$ rabbit pAb	Peptide mix of amino acids 66-8 &, 135-151 of human INHAT-1/TAF-1 $\alpha$ /TAF-1 $\beta$ .	H, M, R	WB	200 $\mu$ l	39202
INHAT-2/pp32 rabbit pAb	Peptide mix of amino acids 87-103 and 231-246 of human INHAT-2/pp32.	H	WB	200 $\mu$ l	39213
IRAK-1 rabbit pAb	Raised against amino acids 700-712 of human IRAK-1.	H	WB	100 $\mu$ g	40910
IRAK-2 rabbit pAb	Raised against amino acids 546-564 of human IRAK-2.	H	WB	100 $\mu$ g	40912
IRF-1 rabbit pAb	Raised against amino acids 126-140 of human IRF-1.	H	SS	17 rxns	39325
IRF-3 rabbit pAb	Raised against amino acids 306-312 of human IRF-3.	H	WB	200 $\mu$ l 10 $\mu$ l	39371 39372
IRF-3 rabbit pAb	Raised against full-length human IRF-3.	B, H	ChIP, WB	100 $\mu$ l	39033
IRF-6 rabbit pAb	Raised against amino acids 358-372 of human IRF-6.	H	WB	100 $\mu$ g	39080
IRF-7 rabbit pAb	Raised against amino acids 463-477 of human IRF-7.	H	WB	100 $\mu$ g	39081
JARID1C rabbit pAb	Raised against a peptide to the C-terminus of human JARID1C.	H, M	WB	200 $\mu$ l 10 $\mu$ l	39229 39230
Jhd2 rabbit pAb	Raised against a peptide to the C-terminus of <i>S. cerevisiae</i> Jhd2.	BY	WB	100 $\mu$ l 10 $\mu$ l	39263 39264
<b>NEW</b> JMJD2A mouse mAb (Clone NI54/32)	Raised against a recombinant protein containing amino acids 586-674 of human JMJD2A.	H, M	WB	100 $\mu$ g 10 $\mu$ g	39815 39816
JMJD2D rabbit pAb	Raised against amino acids 337-359 of human JMJD2D.	H	WB	200 $\mu$ l 10 $\mu$ l	39247 39248
JMJD2F rabbit pAb	Raised against a peptide to the C-terminus of human JMJD2F.	H	WB	200 $\mu$ l 10 $\mu$ l	39257 39258
JunB rabbit pAb	Raised against amino acids 28-42 of human JunB.	H	WB	200 $\mu$ l 10 $\mu$ l	39549 39550
JunB rabbit pAb	Raised against amino acids 3-17 of human JunB.	H, M	WB	100 $\mu$ l	39034
JunB rabbit pAb	Raised against amino acids 3-17 of human JunB.	H	ChIP, SS	17 rxns	39326
JunD rabbit pAb	Raised against amino acids 231-245 of human JunD.	H	WB	100 $\mu$ g	39082
JunD rabbit pAb	Raised against amino acids 143-157 of human JunD.	H	ChIP, SS	100 $\mu$ l	39328
Kaiso mouse mAb (Clone 6FID)	Raised against amino acids 103-499 of His-tagged mouse Kaiso.	M	WB	200 $\mu$ g 10 $\mu$ g	39365 39366

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Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
NEW Ki-67 rabbit pAb	Raised against a peptide containing the N-terminal region of human Ki-67.	H	WB	100 µl	39799
				10 µl	39800
KLF4 rabbit pAb	Raised against recombinant full-length human KLF4.	H, WR	WB	100 µl	39745
				10 µl	39746
L3MBTL1 rabbit pAb	Raised against a His-tagged fusion protein containing amino acids 1-215 of human L3MBTL1.	H, WV	ChIP, IP, WB	200 µl	39182
				10 µl	39183
L3MBTL2 rabbit pAb	Raised against a His-tagged fusion protein containing amino acids 1-230 of human L3MBTL2.	H	ChIP, IP, WB	200 µl	39569
				10 µl	39570
Lamin A/C mouse mAb (Clone 3A6-4C11)	Raised against amino acids 430-545 of recombinant human Lamin A.	Hm, H, Mk, M, R	IF, IP, WB	200 µg	39287
				10 µg	39288
Lamin B1 rabbit pAb	Raised against full-length human Lamin B1.	H, M	WB	100 µl	39095
LAP2 alpha mouse mAb	Raised against a peptide with the C-terminus of human LAP2 alpha.	H	WB	200 µl	39267
				10 µl	39268
LexA DNA-binding Domain rabbit pAb	Raised against amino acids 1-222 of recombinant <i>E. coli</i> LexA.	All	IP, WB	200 µl	39184
				10 µl	39185
LIG1 rabbit pAb	Raised against amino acids 51-68 of human LIG1.	H	WB	200 µl	39214
ivin/ML-IAP mouse mAb	Raised against GST-tagged human Ivin/ML-IAP.	H	WB	100 µg	40958
LSD1 rabbit pAb	Raised against full-length recombinant human LSD1 protein.	H, WV	IP, WB	200 µl	39186
				10 µl	39187
MAD1 mouse mAb (Clone 9B10)	Raised against amino acids 331-718 of mouse MAD1.	H, M	IF, WB	100 µg	39659
				10 µg	39660
MAD2L1 mouse mAb (Clone 17D10)	Raised against full-length recombinant human MAD2L1.	H, M, WM	WB	200 µg	39399
				10 µg	39400
MALT1 mouse mAb	Raised against amino acids 701-808 of mouse MALT1 recombinant protein.	H	WB	200 µg	39395
				10 µg	39396
Max rabbit pAb	Raised against amino acids 141-155 of human Max.	H	WB	100 µg	39083
MBD1 mouse mAb	Raised against a peptide corresponding to human MBD1.	H	WB	100 µg	39215
MBD2 rabbit pAb	Raised against a peptide corresponding to human MBD2.	H	WB	200 µl	39547
				10 µl	39548
MBD3 mouse mAb	Raised against a peptide corresponding to human MBD3.	H	WB	100 µg	39216
MBD4 rabbit pAb	Peptide mixture of amino acids 268-282 and 337-352 of human MBD4.	H	WB	100 µg	39217
MeCP2 rabbit pAb	Raised against the N-terminal 320 amino acids of recombinant mouse MeCP2.	H, M	WB	200 µl	39188
				10 µl	39189
MeCP2 rabbit pAb	Peptide mixture of amino acids 11-25 and 181-195 of human MeCP2.	H	WB	100 µg	39218
MeCP2 phospho Ser80 rabbit pAb	Raised against a peptide with phospho-serine 80 of mouse MeCP2.	H, R	IHC, WB	100 µl	39733
				10 µl	39734

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Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
<b>NEW</b> MEIS1/2/3 mouse mAb (Clone 9.2.7)	Raised against a peptide containing amino acids 50-390 of mouse MEIS1.	H, M	ChIP, EMSA, IHC, IP, WB	100 µg 10 µg	39795 39796
MEP50 rabbit pAb	Raised against His-tagged, full-length human MEP50.	H, WM	WB	200 µl 10 µl	39190 39191
Mi-2 beta mouse mAb (Clone 3F2/4)	Raised against a peptide corresponding to human Mi-2 beta.	H, M	IP, WB	100 µg 10 µg	39695 39696
Mi-2 beta rabbit pAb	Raised against amino acids 22-155 of recombinant mouse Mi-2 beta.	H, M	IF, WB	200 µl 10 µl	39289 39290
<b>NEW</b> MITF mouse mAb	Raised against an N-terminal fragment of human MITF.	H	ChIP, EMSA, IF, IHC, IP, WB	100 µg 10 µg	39789 39790
MLH-1 mouse mAb	Raised against a peptide corresponding to human MLH-1.	H	WB	100 µg	39219
<b>NEW</b> MLL1/HRX mouse mAb (Clone N4.4)	Raised against a recombinant protein containing amino acids 161-356 of mouse MLL1.	H, M	ChIP, IP, WB	100 µg 10 µg	39829 39830
MRE11 rabbit pAb	Raised against a peptide corresponding to human MRE11.	H	WB	100 µg	39220
MRG15 rabbit pAb	Raised against a peptide to the C-terminus of human MRG15.	H, WR	WB	200 µl 10 µl	39361 39362
MTA2 rabbit pAb	Raised against a peptide to the C-terminus of human MTA2.	H, M, WR	WB	200 µl 10 µl	39359 39360
Myc Tag mouse mAb	Raised against a peptide to amino acids 410-419 of human c-Myc.	All	WB	200 µg 10 µg	39279 39280
MyD88 rabbit pAb	Raised against amino acids 233-248 of human MyD88.	H	WB	100 µg	40914
Myf-4 rabbit pAb	Raised against amino acids 10-24 of human Myf-4.	H	WB	100 µl	39092
<b>NEW</b> Myf-5 rat mAb (Clone 1E2G4)	Raised against a peptide derived from mouse Myf-5.	H	IF, WB	100 µg 10 µg	39801 39802
Nab2 mouse mAb	Raised against full-length human Nab2.	H, M	WB	100 µl	39514
NAK1/Nur77 rabbit pAb	Raised against amino acids 251-266 of human NAK1/Nur77.	H, M	WB	200 µl	40982
Nap1 rabbit pAb	Raised against full-length, His-tagged <i>Drosophila</i> Nap1 protein.	Dr	IP, WB	100 µl	39577
NBS1 rabbit pAb	Raised against a peptide to the C-terminus of human NBS1.	H	WB	200 µl 10 µl	39373 39374
NF-1A rabbit pAb	Raised against amino acids 478-492 of human NF-1A.	H	WB	200 µl 10 µl	39397 39398
NF-1A rabbit pAb	Raised against amino acids 478-492 of human NF-1A.	H, R	WB	100 µl	39036
NF-1A rabbit pAb	Raised against amino acids 478-492 of human NF-1A.	H, R	SS	100 µl	39329
NF-1B2 rabbit pAb	Raised against amino acids 402-415 of human NF-1B2.	H, R	WB	100 µg	39091
NF-1X rabbit pAb	Raised against amino acids 277-291 of human NF-1X.	H, R	WB	100 µl	39348
NF-YB rabbit pAb	Raised against amino acids 105-117 of human NF-YB.	H	WB	100 µg	39090

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Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
NF-YB rabbit pAb	Raised against full-length human NF-YB.	H, M	SS	17 rxns	39332
NFATc1 rabbit pAb	Raised against amino acids 911-925 of human NFATc1.	H	WB	100 µg	39084
NFκB/Rel Family Antibody Screening Kit	This kit contains c-Rel, NFκB p50, NFκB p65 & RelB pAbs, and Raji nuclear extract.	H	WB	10 rxns	39074
NFκB p50 rabbit pAb	Raised against amino acids 363-376 of human NFκB p50.	H, M	WB	100 µl	39037
NFκB p50 rabbit pAb	Raised against amino acids 363-376 of human NFκB p50.	H, M, R	SS	17 rxns	39330
NFκB p65 mouse mAb	Raised against amino acids 526-539 of human NFκB p65.	H, M	FC, WB	100 µg	40916
NFκB p65 rabbit pAb	Raised against a peptide immunogen to N-terminal NFκB p65.	H	WB	200 µl 10 µl	39283 39284
NFκB p65 rabbit pAb	Raised against a peptide to the C-terminus of human NFκB p65.	H	WB	200 µl 10 µl	39369 39370
NFκB p65 rabbit pAb	Raised against amino acids 2-17 of human NFκB p65.	H, M, R	WB	100 µl	39038
NFκB p65 rabbit pAb	Raised against amino acids 501-515 of human NFκB p65.	H, R	FC, IHC, WB	100 µl	39039
NFκB p65 phospho Ser529 rabbit pAb	Raised against a peptide containing phospho-serine 529 of human NFκB p65.	H	WB	100 µl 10 µl	39691 39692
NFκB p65 phospho Ser536 rabbit pAb	Raised against a peptide containing phospho-serine 536 of human NFκB p65.	H	WB	100 µl 10 µl	39675 39676
NFκB p100 rabbit pAb	Raised against a peptide to the C-terminus of human NFκB p100.	H	WB	100 µl 10 µl	39687 39688
Nucleolin mouse mAb (Clone 3G4B20)	Raised against a salt-extracted nuclear matrix preparation from MDCK cells.	H, M, WV	IF, WB	200 µl 10 µl	39541 39542
Oct-2 mouse mAb	Raised against full-length human Oct-2.	H	WB	100 µl	39517
Oct-2 mouse mAb	Raised against full-length human Oct-2.	H	SS	17 rxns	39604
<b>NEW</b> Oct-4 rabbit pAb	Raised against a peptide derived from human Oct-4.	H	WB	100 µl 10 µl	39811 39812
Osteoprotegerin (OPG) mouse mAb	Raised against amino acids 20-37 of human Osteoprotegerin (OPG).	H	WB	100 µg	40938
p53 mouse mAb (Clone DO1)	Raised against full-length recombinant human p53 protein.	H	IP, WB	200 µg 10 µg	39553 39554
p53 rabbit pAb	Raised against amino acids 367-381 of human p53.	H, M	IHC, WB	100 µl	39041
p53 rabbit pAb	Raised against amino acids 367-381 of human p53.	H	ChIP, SS	17 rxns	39334
p63 mouse mAb	Raised against a peptide corresponding to human p63.	H	WB	100 µg	40974
p63 rabbit pAb	Raised against a recombinant full-length human p63.	H	ChIP, IF, WB	100 µl 10 µl	39739 39740
p73 mouse mAb	Raised against full-length human p73.	H	WB	100 µg	40972
p73ΔN mouse mAb	Raised against amino acids 2-13 of human p73ΔN.	H	WB	100 µg	40973
p107 mouse mAb	Raised against full-length human p107.	H, M	WB	100 µl	39518
p107 mouse mAb	Raised against full-length human p107.	H, M	SS	17 rxns	39605

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Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
PARP-1 N-terminal rabbit pAb	Raised against the His-tagged, N-terminal half of human PARP-1.	H	WB	200 µl 10 µl	39559 39560
PARP-1 C-terminal rabbit pAb	Raised against the His-tagged, C-terminal half of human PARP-1.	H	WB	200 µl 10 µl	39561 39562
PARP-2 rabbit pAb	Raised against a recombinant C-terminal region of human PARP-2.	H	ChIP, IP, WB	100 µl 10 µl	39743 39744
Pax-5 rabbit pAb	Raised against amino acids 1-15 of human Pax-5.	H	WB	100 µl	39043
Pax-5 rabbit pAb	Raised against amino acids 1-15 of human Pax-5.	H	SS	17 rxns	39336
<b>NEW</b> Pax-7 rat mAb (Clone 2F12H4)	Raised against a peptide derived from mouse Pax-7.	H	IF, WB	100 µg 10 µg	39803 39804
Pbx-1 rabbit pAb	Raised against amino acids 22-37 of human Pbx-1.	H	WB	1000 µl	39085
Phc1 mouse mAb (Clone 6-1-3)	Raised against full-length, recombinant mouse Phc1.	H	IF, IP, WB	100 µg 10 µg	39723 39724
Phc2 mouse mAb	Raised against a recombinant fragment of human Phc2.	H, M	ChIP, IF, IP	100 µl 10 µl	39661 39662
PHF8 rabbit pAb	Raised against a peptide derived from human PHF8.	H	WB	100 µl 10 µl	39711 39712
Pit-1 rabbit pAb	Raised against amino acids 107-120 of human Pit-1.	H, R	WB	100 µl	39044
Pit-1 rabbit pAb	Raised against amino acids 107-120 of human Pit-1.	H, M, R	SS	17 rxns	39337
<b>NEW</b> PML mouse mAb (Clone 36.1-104)	Raised against amino acids 1-581 of mouse PML.	M	IF, IP, WB	100 µg 10 µg	39773 39774
PMS2 mouse mAb	Raised against amino acids 623-639 of human PMS2.	H, M	WB	100 µg	39221
PP2A rabbit pAb	Raised against amino acids 288-303 of human PP2A.	H, M, R, WV	ChIP, IP, WB	200 µl 10 µl	39192 39193
PXR rabbit pAb	Raised against a peptide with amino acids 51-71 of human PXR	H	WB	200 µl 10 µl	39589 39590
PXR rabbit pAb	Raised against amino acids 18-32 of human PXR.	H	WB	100 µl	39048
Rad1 rabbit pAb	Raised against amino acids 133-148 of human Rad1.	H	WB	100 µg	40978
Rad17 phospho Ser647 rabbit pAb	Raised against a peptide with phospho-serine 647 of mouse Rad17.	H, R	IF, WB	100 µg	39222
Rad18 mouse mAb	Raised against amino acids 402-414 of human Rad18.	H	WB	100 µg	40979
Rad21 mouse mAb (Clone 52A311)	Recombinant protein from the N-terminal half of mouse Rad21.	H, M	WB	200 µg 10 µg	39383 39384
Rad51 rabbit pAb	Raised against full-length human Rad51 expressed in <i>E. coli</i> .	H	IF, IP, WB	200 µg 10 µg	39194 39195
Rad52 rabbit pAb	Raised against full-length human Rad52 expressed in <i>E. coli</i> .	H	IF, IHC	200 µg 10 µg	39196 39197
RANK mouse mAb	Raised against amino acids 326-616 of GST-tagged, human RANK.	H	WB	100 µg	40917

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Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
RAR- $\beta$ rabbit pAb	Raised against amino acids 407-423 of human RAR- $\beta$ .	H	WB	100 $\mu$ l	39049
RAR- $\beta$ 2 rabbit pAb	Raised against amino acids 36-53 of human RAR- $\beta$ 2.	H	WB	100 $\mu$ l	39050
RAR- $\gamma$ rabbit pAb	Raised against amino acids 412-428 of mouse RAR- $\gamma$ .	H, M	WB	100 $\mu$ l	39051
Rb mouse mAb (Clone IF8)	Raised against full-length human Rb.	H, M	WB	100 $\mu$ l	39522
Rb mouse mAb (Clone IF8)	Raised against full-length human Rb.	H, M	SS	17 rxns	39607
Rb mouse mAb (Clone XZ77)	Raised against full-length human Rb.	H	WB	100 $\mu$ l	39520
Rb mouse mAb (Clone XZ77)	Raised against full-length human Rb.	H	SS	17 rxns	39606
Rb rabbit pAb	Raised against amino acids 881-895 of human Rb.	H, M, R	WB	100 $\mu$ l	39052
RbAp46/48 rabbit pAb	Raised against recombinant human RbAp46 protein.	H, WR	ChIP, WB	200 $\mu$ l 10 $\mu$ l	39198 39199
RelB rabbit pAb	Raised against amino acids 563-579 of human RelB.	H	WB	100 $\mu$ l	39053
RelB rabbit pAb	Raised against amino acids 476-490 of human RelB.	H	SS	17 rxns	39339
Ring1B mouse mAb	Raised against recombinant full-length human Ring1B.	H, Mk, M	ChIP, IF, IP, WB	100 $\mu$ l 10 $\mu$ l	39663 39664
RNA pol II mouse mAb	Raised against a peptide containing YSPTSpPS from human RNA pol II.	Ce, BY, H, M, R	ChIP, IF, IP, WB	200 $\mu$ l	39097
RNA Pol II CTD phospho Ser2 rabbit pAb	Peptide with the RNA Pol II CTD sequence phosphorylated at serine 2.	H	WB	200 $\mu$ l 10 $\mu$ l	39563 39564
RNA pol II CTD phospho Ser5 rabbit pAb	Peptide with RNA Pol II heptad repeat phosphorylated at serine 5.	H, WR	ChIP, WB	100 $\mu$ g 10 $\mu$ g	39749 39750
RNA pol II CTD phospho Ser5 rabbit pAb	Peptide with RNA Pol II heptad repeat phosphorylated at serine 5.	H, WR	ChIP, IF, WB	200 $\mu$ l 10 $\mu$ l	39233 39234
Rsf1 rabbit pAb	Raised against His-tagged protein with amino acids 165-350 <i>Drosophila</i> Rsf1.	Dr	IF, IP, WB	100 $\mu$ l	39579
RXR- $\alpha$ rabbit pAb	Raised against amino acids 14-28 of human RXR- $\alpha$ .	H	WB	100 $\mu$ l	39054
RXR- $\beta$ rabbit pAb	Raised against amino acids 69-83 of human RXR- $\beta$ .	H	WB	100 $\mu$ l	39055
SAF-1 chicken pAb	Raised against amino acids 180-193 of human SAF-1.	H	WB	100 $\mu$ l	39056
SAP30 rabbit pAb	Raised against recombinant full-length human SAP30.	H	IP, WB	100 $\mu$ l 10 $\mu$ l	39731 39732
SIRT1 mouse mAb (Clone 2G1/F7)	Raised against amino acids 581-630 of human SIRT1.	H	IF, IP, WB	200 $\mu$ g 10 $\mu$ g	39353 39354
SMC1 phospho Ser957 rabbit pAb	Raised against a peptide with phospho-serine 957 of human SMC1.	H	WB	200 $\mu$ l 10 $\mu$ l	39631 39632
SNF2h mouse mAb	SNF2h+ clones were selected from purified RSF complex-immunized mice.	H, M	ChIP, IF, IP, WB	200 $\mu$ l 10 $\mu$ l	39543 39544
NEW SNF5 rabbit pAb	Raised against a peptide to the C-terminus of human SNF5.	H	WB	100 $\mu$ l 10 $\mu$ l	39775 39776

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**Applications:** ChIP = Chromatin Immunoprecipitation; DB = Dot Blot; FC = Flow Cytometry; IF = Immunofluorescence; IHC = Immunohistochemistry; IP = Immunoprecipitation; MeDIP = Methyl-DNA Immunoprecipitation; SS = Supershift; WB = Western Blot

	Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
NEW	Sox2 rabbit pAb	Raised against a peptide containing amino acids 111-140 of mouse Sox2.	H	ChIP, IF, IHC, IP, WB	100 µl 10 µl	39823 39824
	Sp1 rabbit pAb	Raised against full-length human Sp1.	H	WB	100 µl	39057
	Sp1 rabbit pAb	Raised against amino acids 520-534 of human Sp1.	H, M, R	WB	100 µl	39058
NEW	Sp1 non-phospho rabbit pAb	Raised against a peptide with serine 101 of human Sp1. This antibody recognizes human Sp1 when it is <b>not phosphorylated</b> at serine 101.	H	WB	100 µl 10 µl	39809 39810
	Sp1 phospho Ser101 rabbit pAb	Raised against a peptide with phospho-serine 101 of human Sp1.	H	WB	100 µl 10 µl	39757 39758
	Sp3 rabbit pAb	Raised against full-length human Sp3.	H, M	SS	17 rxns	39341
	SRF mouse mAb	Raised against full-length human SRF.	H	SS	17 rxns	39608
	SRF Drosophila mAb	Raised against full-length Drosophila SRF.	Dr	WB	200 µl	39093
	STAT Family Antibody Screening Kit	This kit contains STAT1α, -2, -3, -4, -5A, -5B & -6 pAbs, and 5 extracts.	H	WB	10 rxns	39075
	STAT1 phospho Ser727 rabbit pAb	Raised against a peptide with phospho-serine 727 of human STAT1.	H	WB	200 µl 10 µl	39633 39634
	STAT1α rabbit pAb	Raised against amino acids 712-750 of human STAT1α.	H	WB	100 µl	39059
	STAT2 rabbit pAb	Raised against amino acids 830-849 of human STAT2.	H, M	WB	100 µg	39060
	STAT2 phospho Tyr689 rabbit pAb	Raised against a peptide with phospho-tyrosine 689 of human STAT2.	H	WB	200 µl 10 µl	39611 39612
	STAT3 rabbit pAb	Raised against a C-terminal peptide of human STAT3.	H	WB	100 µl	39061
	STAT3 phospho Tyr705 rabbit pAb	Raised against a peptide with phospho-tyrosine 705 of human STAT3.	H	WB	200 µl 10 µl	39595 39596
	STAT3 phospho Ser727 rabbit pAb	Raised against a peptide with phospho-tyrosine 727 of human STAT3.	H	WB	200 µl 10 µl	39613 39614
	STAT4 rabbit pAb	Raised against amino acids 731-748 of mouse STAT4.	H, M, R	WB	100 µl	39062
	STAT5A rabbit pAb	Raised against full-length human STAT5A.	H	WB	100 µl	39063
	STAT5A/B phospho Tyr694/Tyr699 rabbit pAb	Raised against a peptide with phospho-tryosine 694 of human STAT5A. (Human STAT5B shares the identical sequence surrounding Ser731.)	H	WB	200 µl 10 µl	39617 39618
	STAT5A/B phospho Ser726/Ser731 rabbit pAb	Raised against a peptide with phospho-serine 726 of human STAT5A. (Human STAT5B shares the identical sequence surrounding Ser731.)	H	WB	200 µl 10 µl	39597 39598
	STAT5B rabbit pAb	Raised against amino acids 777-787 of human STAT5B.	H	WB	100 µl	39064
	STAT6 rabbit pAb	Raised against amino acids 808-826 of human STAT6.	H	WB	100 µl	39065
NEW	SUV39H1 mouse mAb (Clone MG44)	Raised against a recombinant protein with amino acids 1-126 of mouse SUV39H1.	H, M	ChIP, IP, WB	100 µg 10 µg	39785 39786
	Suz12 rabbit pAb	Raised against a peptide to the C-terminus of human Suz12.	H, WR	WB	200 µl 10 µl	39357 39358
	TAC1 rabbit pAb	Raised against amino acids 116-132 of human TAC1.	H, M	FC, WB	100 µg	40936

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Antibody	Immunogen	Reactivity	Applications	Format	Catalog No.
TBK1 mouse mAb	Raised against amino acids 563-577 of human TBK1.	H, M, R	WB	100 µg	40909
TLR2 rabbit pAb	Peptide mix of amino acids 180-196, 353-370 & 473-489 of human TLR2.	H	WB	100 µg	40981
TLR3 mouse mAb	Raised against a KLH-peptide to human TLR3.	H	FC, IHC, IP, WB	100 µg	40952
TLR6 mouse mAb	Raised against amino acids 408-424 of human TLR6.	H	FC, WB	100 µg	40954
TLR8 mouse mAb	Raised against amino acids 750-850 of human TLR8.	H, M	FC, WB	100 µg	40955
TLR9 mouse mAb	Raised against a KLH-peptide to amino acids 268-284 of human TLR9.	H, M, R	FC, IHC, WB	100 µg	40956
<b>NEW</b> TORC2 rabbit pAb	Raised against a peptide to the C-terminus of human TORC2.	H, M	WB	100 µl 10 µl	39779 39780
TRAF2 mouse mAb	Raised against amino acids 215 to 222 of human TRAF2 protein.	H	WB	100 µg	40919
TRAF5 mouse mAb	Raised against amino acids 77 to 186 of human TRAF5 protein.	H	WB	100 µg	40920
TRAIL mouse mAb	Raised against amino acids 17-35 of human TRAIL.	H	FC, WB	100 µg	40966
TRANCE/RANKL mouse mAb	Raised against amino acids 1-317 of GST-tagged, human TRANCE/RANKL.	H, M	FC, IHC, WB	100 µg	40940
TRF2 goat pAb	Raised against full-length human TRF2.	H, M, R	ChIP, IP, WB	100 µg	39223
TROY/TAJ rabbit pAb	Peptide mix of amino acids 29-44, 204-219 & 409-421 of human TROY/TAJ.	H, M	WB	100 µg	40937
TTF-1 mouse mAb	Raised against full-length human TTF-1.	H	WB	100 µl	39525
UBE2N rabbit pAb	Peptide mixture of amino acids 2-19 and 131-148 of human UBE2N.	H	IP, WB	100 µg	39224
UBE2V1α rabbit pAb	Raised against amino acids 31-49 of human UBE2V1α.	H	WB	100 µg	39225
UBE2V2 rabbit pAb	Raised against amino acids 12-28 of human UBE2V2.	H	WB	100 µg	39226
Ubiquitin mouse mAb (Clone P4D1)	Raised against purified bovine ubiquitin.	WR	IF, IHC, IP, WB	100 µg 10 µg	39741 39742
Uhrf1 rabbit pAb	Raised against a peptide to the C-terminus of human Uhrf1.	H	WB	200 µl 10 µl	39625 39626
USF1 rabbit pAb	Raised against amino acids 1-14 of human USF1.	H	WB	100 µl	39068
USF1 rabbit pAb	Raised against amino acids 1-14 of human USF1.	H, R	SS	17 rxns	39343
VDR rabbit pAb	Raised against amino acids 5-19 of human VDR.	H, R	WB	100 µl	39069
VDR rabbit pAb	Raised against amino acids 5-19 of human VDR.	H, R	SS	17 rxns	39344
YY1 rabbit pAb	Raised against amino acids 109-123 of human YY1.	H, Mk, M, R	WB	100 µl	39071
YY1 rabbit pAb	Raised against amino acids 109-123 of human YY1.	H	SS	17 rxns	39345

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## Fluorescent and HRP Secondary Antibody Conjugates

The table below provides details on all of Active Motif's secondary antibody conjugates. For more comprehensive information, including data and downloadable Technical Data Sheets, please visit our website at [www.activemotif.com/secondary](http://www.activemotif.com/secondary). Or, click on the name of any secondary name in the table below to link directly to its page on our website.

Name	Absorption	Emission	$\epsilon$ L/(mol-cm)	Stokes shift	Format	Catalog No.
HRP Goat anti-Mouse IgG	—	—	—	—	400 $\mu$ g	15014
HRP Goat anti-Rabbit IgG	—	—	—	—	400 $\mu$ g	15015
ATTO 594 Goat anti-Mouse IgG	601 nm	627 nm	120,000	26 nm	250 $\mu$ l 35 $\mu$ l	15037 15057
ATTO 594 Goat anti-Rabbit IgG	601 nm	627 nm	120,000	26 nm	250 $\mu$ l 35 $\mu$ l	15047 15067
ATTO 647N (STED) Goat anti-Mouse IgG	644 nm	669 nm	150,000	25 nm	250 $\mu$ l 35 $\mu$ l	15038 15058
ATTO 647N (STED) Goat anti-Rabbit IgG	644 nm	669 nm	150,000	25 nm	250 $\mu$ l 35 $\mu$ l	15048 15068
ATTO 655 (STED) Goat anti-Mouse IgG	663 nm	684 nm	125,000	21 nm	250 $\mu$ l 35 $\mu$ l	15039 15059
ATTO 655 (STED) Goat anti-Rabbit IgG	663 nm	684 nm	125,000	21 nm	250 $\mu$ l 35 $\mu$ l	15049 15069
Chromo™ 488 Goat anti-Mouse IgG	488 nm	517 nm	73,000	29 nm	1 mg 100 $\mu$ g	15031 15051
Chromo™ 488 Goat anti-Rabbit IgG	488 nm	517 nm	73,000	29 nm	1 mg 100 $\mu$ g	15041 15061
Chromo™ 494 Goat anti-Mouse IgG	494 nm	628 nm	55,000	124 nm	1 mg 100 $\mu$ g	15032 15052
Chromo™ 494 Goat anti-Rabbit IgG	494 nm	628 nm	55,000	124 nm	1 mg 100 $\mu$ g	15042 15062
Chromo™ 505 Goat anti-Mouse IgG	505 nm	526 nm	70,000	21 nm	1 mg 100 $\mu$ g	15030 15050
Chromo™ 505 Goat anti-Rabbit IgG	505 nm	526 nm	70,000	21 nm	1 mg 100 $\mu$ g	15040 15060
Chromo™ 546 Goat anti-Mouse IgG	545 nm	561 nm	98,800	16 nm	1 mg 100 $\mu$ g	15033 15053
Chromo™ 546 Goat anti-Rabbit IgG	545 nm	561 nm	98,800	16 nm	1 mg 100 $\mu$ g	15043 15063
Chromo™ 642 Goat anti-Mouse IgG	642 nm	660 nm	180,000	18 nm	1 mg 100 $\mu$ g	15034 15054
Chromo™ 642 Goat anti-Rabbit IgG	642 nm	660 nm	180,000	18 nm	1 mg 100 $\mu$ g	15044 15064