

bsm-60152R

[Primary Antibody]

Mono-Methyl-Histone H4 (Lys12) Recombinant Rabbit mAb

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ANTIBODIES

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DATASHEET

Host: Rabbit

Clonality: Recombinant

Target: Mono-Methyl-Histone H4 (Lys12)

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. [provided by RefSeq, Jul 2008]

Isotype: IgG

CloneNo.: B11E4

Applications: WB (1:500-1:2000)

IHC-P (1:100-500)

IHC-F (1:100-500)

IF

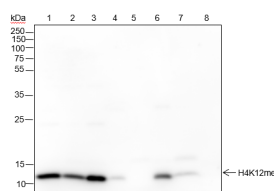
Flow-Cyt (1:50-1:100)

ICC/IF (1:50)

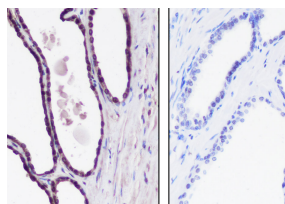
Reactivity: Human, Mouse, Rat

Subcellular Location: Nucleus

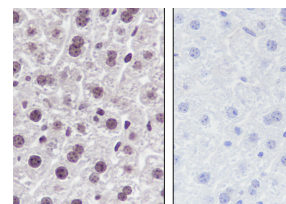
VALIDATION IMAGES



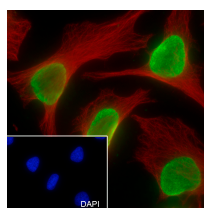
Blocking buffer: 5% NFD/MTBST Primary ab dilution: 1:2000 Primary ab incubation condition: 2 hours at room temperature Secondary ab: Goat Anti-Rabbit IgG H&L (HRP) Lysate: 1. HeLa, 2. NIH-3T3, 3. BRL, 4. Mouse heart, 5. Rat heart, 6. Mouse kidney, 7. Rat kidney, 8. Recombinant Histone H4 Protein loading quantity: 20 µg Exposure time: 30 s Predicted MW: 11 kDa Observed MW: 11 kDa



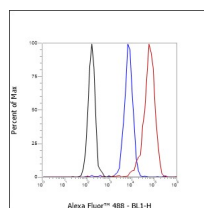
Tissue: Human prostate hyperplasia Section type: Formalin fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:500 Primary ab incubation condition: 1 hour at room temperature Secondary ab: SP Kit(Rabbit) (sp-0023) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for bsm-60152R



Tissue: Mouse liver Section type: Formalin fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:500 Primary ab incubation condition: 1 hour at room temperature Secondary ab: SP Kit(Rabbit) (sp-0023) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for bsm-60152R



Cell line: HeLa Fixative: 100% Ice-cold methanol Permeabilization: 0.1% TritonX-100 Primary ab dilution: 1:50 Primary incubation condition: 4°C overnight Secondary ab: Goat Anti-Rabbit IgG Nuclear counter stain: DAPI (Blue) Counter stain: Tubulin (Red) Comment: Color green is the positive signal for bsm-60152R



Cell line: HeLa Fixative: 4% Paraformaldehyde Permeabilization: 0.1% TritonX-100 Primary ab dilution: 1:50 Secondary ab: Goat anti Rabbit IgG Unlabelled control: The cell without incubation with primary antibody and secondary antibody (Black line). Isotype control: Rabbit monoclonal IgG (Blue line). Comment: Line red is the positive signal for bsm-60152R

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.