bsm-60089M **[Primary Antibody]**

Mono-Methyl-Histone H4 (Lys20) Recombinant Mouse mAb

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DATASHEET

Host: Mouse
Isotype: IgG1, Kappa
Clonality: Recombinant
CloneNo.: C4D9

Target: Mono-Methyl-Histone H4 (Lys20)

Purification: affinity purified by Protein G

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.

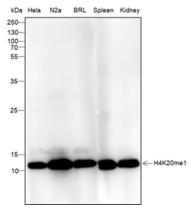
Background: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The 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]

Applications: **WB** (1:500-2000)
ICC/IF (1:50-100)

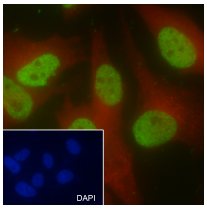
Reactivity: Human (predicted: Mouse, Rat)

Subcellular Location: Nucleus

VALIDATION IMAGES



Blocking buffer: 5% NFDM/TBST Primary Ab dilution: 1:2000 Primary Ab incubation condition: 2 hours at room temperature Secondary Ab: Goat Anti-Mouse IgG H&L (HRP) Lysate: HeLa, N2a, BRL, Mouse spleen, Mouse kidney Protein loading quantity: 20 µg Exposure time: 30 s Predicted MW: 11 kDa Observed MW: 11 kDa



Cell line: HeLa Fixative: 4% Paraformaldehyde Permeabilization: 0.1% Triton X-100 Primary Ab dilution: 1:100 Primary incubation condition: 1 hours at room temperature Secondary Ab: Goat Anti-Mouse IgG Nuclear counter stain: DAPI (Blue) Counter stain: Tubulin (Red) Comment: Color green is the positive signal for bsm-60089M