bsm-54176R **[Primary Antibody]**

Histone H1.2 Recombinant Rabbit mAb

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DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Recombinant
CloneNo.: 9C9
GeneID: 3006
SWISS: P16403
Target: Histone H1.2
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 responsible for nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H1 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6. [provided by RefSeq, Aug 2015]

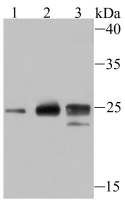
Applications: **WB** (1:500-2000)
IHC-P (1:400-800)
IHC-F (1:400-800)
IF (1:50-100)
ICC/IF (1:50)

Reactivity: Human, Mouse, Rat

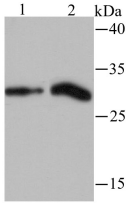
Predicted MW.: 21 kDa

Subcellular Location: Nucleus

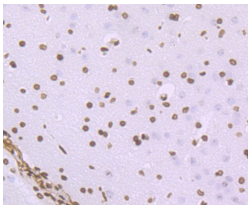
VALIDATION IMAGES



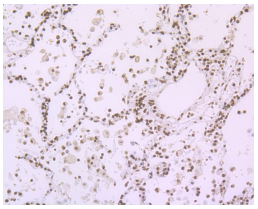
Sample: Lane 1: Hela cell lysate Lane 2: 293 cell lysate Lane 3: MCF-7 cell lysate Primary: Anti-Histone H1.2 (bsm-54176R) at 1:500 dilution Secondary: Goat Anti-Rabbit IgG - HRP at 1:5000 dilution Predicted band size: 21 kD Observed band size: 25 kD



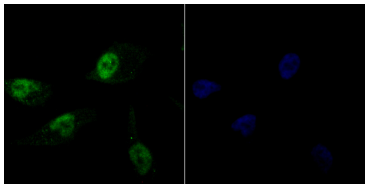
Sample: Lane 1: rat liver tissue lysate Lane 2: mouse lung tissue lysate Primary: Anti-Histone H1.2 (bsm-54176R) at 1:500 dilution Secondary: Goat Anti-Rabbit IgG - HRP at 1:5000 dilution Predicted band size: 21 kD Observed band size: 25 kD



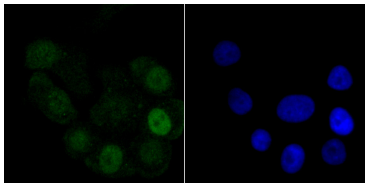
Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Histone H1.2) Monoclonal Antibody, Unconjugated (bsm-54176R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human lung carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking



PC-3M cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Histone H1.2) monoclonal Antibody, Unconjugated



SK-Br-3 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Histone H1.2) monoclonal Antibody, Unconjugated

buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Histone H1.2) Monoclonal Antibody, Unconjugated (bsm-54176R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

(bsm-54176R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

(bsm-54176R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

SELECTED CITATIONS

- **[IF=24.3]** Jianyou Gu. et al. The Role of Histone H1.2 in Pancreatic Cancer Metastasis and Chemoresistance. DRUG RESIST UPDATE. 2023 Nov;:101027 IHC ;Human. 10.1016/j.drup.2023.101027