

Histone H1.2 Recombinant Rabbit mAb

Catalog Number: bsm-54176R

Target Protein: Histone H1.2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 9C9

Isotype: IgG

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

Entrez Gene: 3006

Swiss Prot: P16403

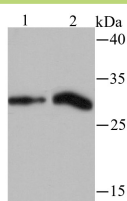
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

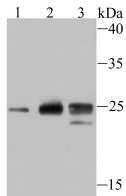
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

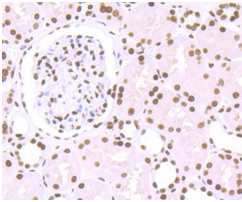
VALIDATION IMAGES



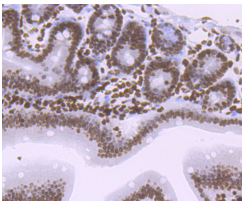
Sample: Lane 1: rat liver tissue lysate Lane 2: mouse lung tissue lysate Primary: Anti-Histone H1.2 (bsm-54176R) at 1:500 dilution Secondary: Goat Anti-Rabbit IgG - HRP at 1:5000 dilution Predicted band size: 21 kD Observed band size: 25 kD



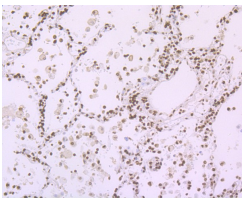
Sample: Lane 1: HeLa cell lysate Lane 2: 293 cell lysate Lane 3: MCF-7 cell lysate Primary: Anti-Histone H1.2 (bsm-54176R) at 1:500 dilution Secondary: Goat Anti-Rabbit IgG - HRP at 1:5000 dilution Predicted band size: 21 kD Observed band size: 25 kD



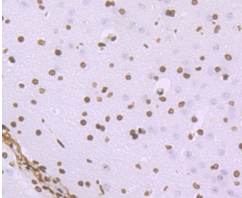
Paraformaldehyde-fixed, paraffin embedded (human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Histone H1.2) Monoclonal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



Paraformaldehyde-fixed, paraffin embedded (mouse colon); 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) instructions and 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 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) instructions and DAB staining.



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) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[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.drug.2023.101027