

Symmetric DiMethyl-Histone H3-R8 Rabbit mAb

Catalog No.: A21207 **Recombinant**

Basic Information

Observed MW

17kDa

Calculated MW

16kDa

Category

Primary antibody

Applications

ELISA, WB, DB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat, Other (Wide Range Predicted)

CloneNo number

ARC53358

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

Recommended Dilutions

DB 1:10000 - 1:120000**WB** 1:2000 - 1:10000**IHC-P** 1:500 - 1:1000**IF/ICC** 1:50 - 1:200

Immunogen Information

Gene ID

8290/8350

Swiss Prot

Q16695/P68431

Immunogen

A synthetic symmetric dimethylated peptide around R8 of human Histone H3 (NP_003520.1).

Synonyms

H3/A; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FA; H3C10; H3C11; H3C12; HIST1H3A; Symmetric DiMethyl-Histone H3-R8

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

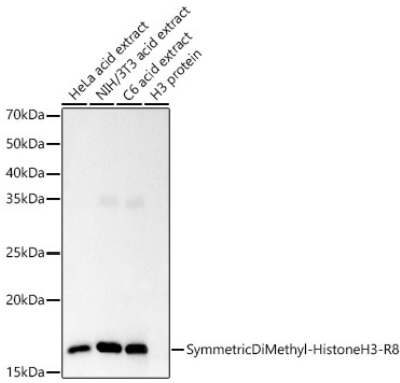
Affinity purification

Storage

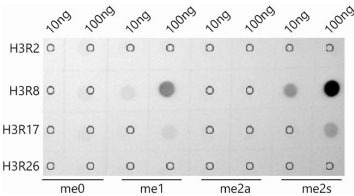
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

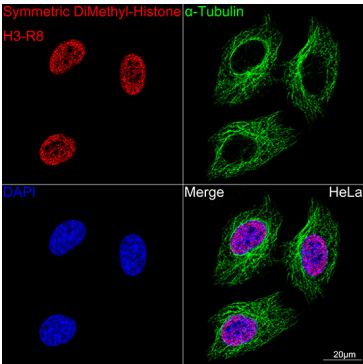
Validation Data



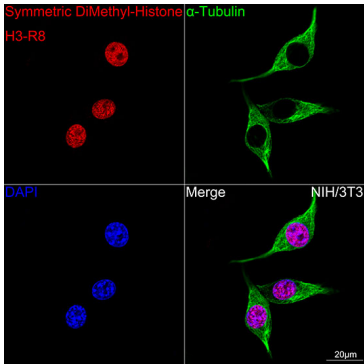
Western blot analysis of various lysates, using Symmetric DiMethyl-Histone H3-R8 Rabbit mAb (A21207) at 1:10000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3s.



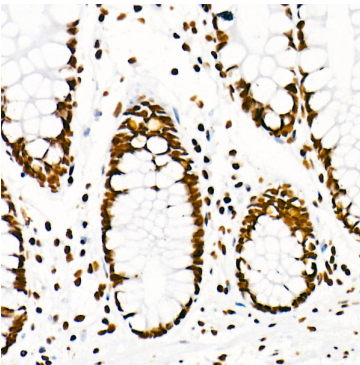
Dot-blot analysis of all sorts of peptides using Symmetric DiMethyl-Histone H3-R8 antibody (A21207) at 1:1000 dilution.



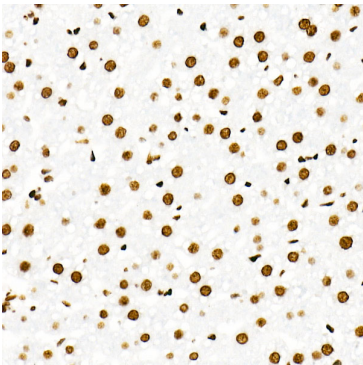
Confocal imaging of HeLa cells using Symmetric DiMethyl-Histone H3-R8 Rabbit mAb (A21207, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



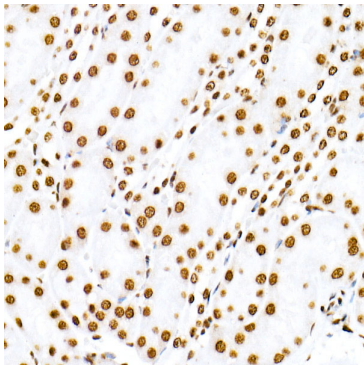
Confocal imaging of NIH/3T3 cells using Symmetric DiMethyl-Histone H3-R8 Rabbit mAb (A21207, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of Symmetric DiMethyl-Histone H3-R8 in paraffin-embedded Human colon using Symmetric DiMethyl-Histone H3-R8 Rabbit mAb (A21207) at dilution of 1:1000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Symmetric DiMethyl-Histone H3-R8 in paraffin-embedded Rat liver using Symmetric DiMethyl-Histone H3-R8 Rabbit mAb (A21207) at dilution of 1:1000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Symmetric DiMethyl-Histone H3-R8 in paraffin-embedded Mouse kidney using Symmetric DiMethyl-Histone H3-R8 Rabbit mAb (A21207) at dilution of 1:1000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.