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Symmetric DiMethyl-Histone H4-R3 Rabbit pAb

Catalog No.: A3159 7 Publications

Basic Information

Observed MW

15kDa

Calculated MW

11kDa

Category

Primary antibody

Applications

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

Cross-Reactivity

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

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 H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy.

Recommended Dilutions

WB	1:500 - 1:2000
DB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

ELISA Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID	Swiss Prot
8359	P62805

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

H4; H4/n; H4C1; H4C2; H4C3; H4C4; H4C5; H4C6; H4C8; H4C9; H4F2; H4FN; F0108; H4-16; H4C11; H4C12; H4C13; H4C15; H4C16; HIST2H4; HIST2H4A; Symmetric DiMethyl-Histone H4-R3

Contact

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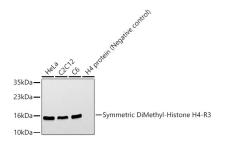
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

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

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Western blot analysis of various lysates, using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at 1:400 dilution

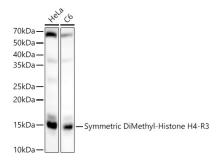
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60s.



Western blot analysis of various lysates, using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at 1:2000 dilution.

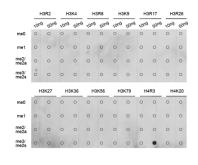
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

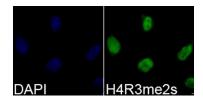
Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.







Dot-blot analysis of all sorts of methylation peptides using Symmetric DiMethyl-Histone H4-R3 antibody (A3159).

Immunofluorescence analysis of 293T cells using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159). Blue: DAPI for nuclear staining.

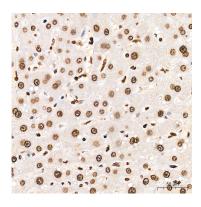
Immunohistochemistry analysis of paraffinembedded Human cervix cancer tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-

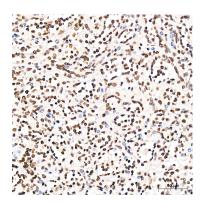


Immunohistochemistry analysis of paraffin-

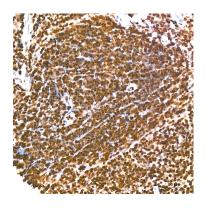


Immunohistochemistry analysis of paraffin-

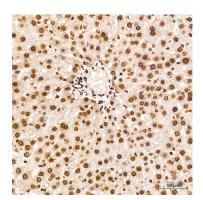
embedded Human colon carcinoma tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human spleen tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

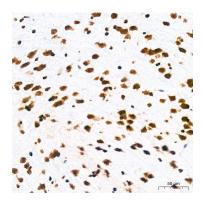


Immunohistochemistry analysis of paraffinembedded Mouse spleen tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat liver tissue using Symmetric

embedded Human colon tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

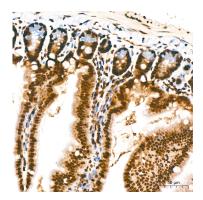


Immunohistochemistry analysis of paraffinembedded Mouse brain tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat brain tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

embedded Human liver tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse intestin tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat colon tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

Validation Data

DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.