

A3159

Leader in Biomolecular Solutions for Life Science



Symmetric DiMethyl-Histone H4-R3 Rabbit pAb

Catalog No.: A3159

6 Publications

Basic Information

Observed MW

15kDa

Calculated MW

11kDa

Category

Polyclonal Antibody

Applications

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

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

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

Immunogen Information

Gene ID

8359

Swiss Prot

P62805

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Histone H4 (NP_003529.1).

Synonyms

H4; H4/n; H4C1; H4C2; H4C3; H4C4; H4C5; H4C6; H4C8; H4C9; H4F2; H4FN; FO108; H4-16; H4C11; H4C12; H4C13; H4C15; H4C16; HIST2H4; HIST2H4A; Symmetric DiMethyl-Histone H4-R3

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

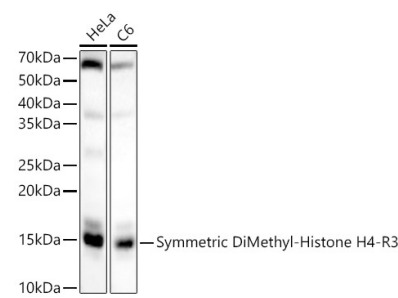
Affinity purification

Storage

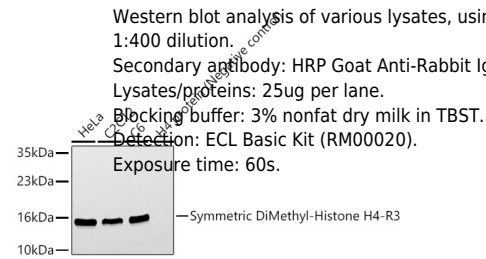
Store at -20°C. Avoid freeze / thaw cycles.

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

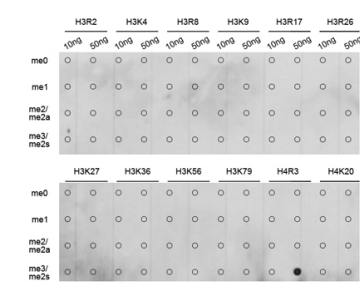
Validation Data



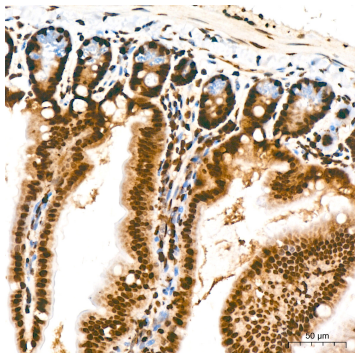
Western blot analysis of various lysates, using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at 1:2000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



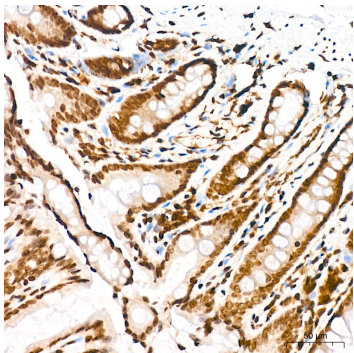
Western blot analysis of various lysates, using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at 1:400 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



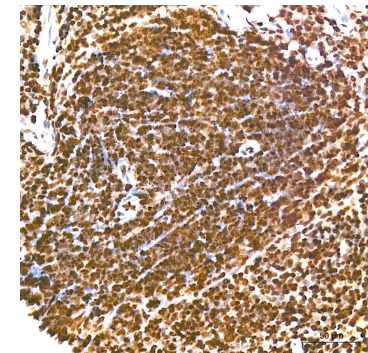
Dot-blot analysis of all sorts of methylation peptides using Symmetric DiMethyl-Histone H4-R3 antibody (A3159).



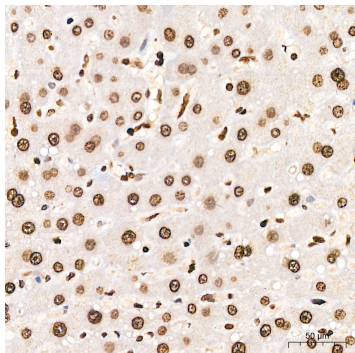
Immunohistochemistry analysis of Symmetric DiMethyl-Histone H4-R3 in paraffin-embedded mouse intestine tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



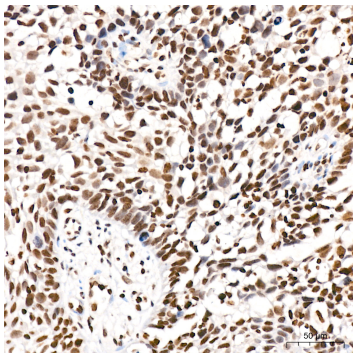
Immunohistochemistry analysis of Symmetric DiMethyl-Histone H4-R3 in paraffin-embedded rat colon tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis



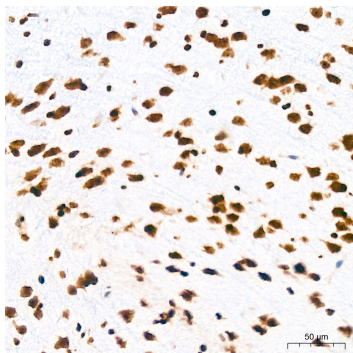
Immunohistochemistry analysis



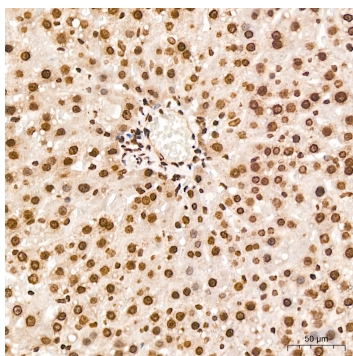
Immunohistochemistry analysis

Validation Data

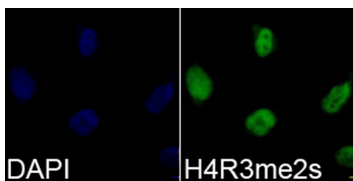
of Symmetric DiMethyl-Histone H4-R3 in paraffin-embedded mouse spleen tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



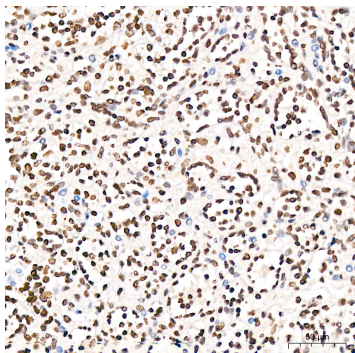
Immunohistochemistry analysis of Symmetric DiMethyl-Histone H4-R3 in paraffin-embedded mouse brain tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



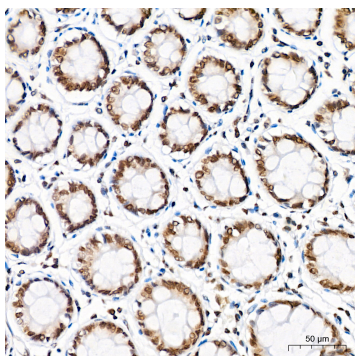
Immunohistochemistry analysis of Symmetric DiMethyl-Histone H4-R3 in paraffin-embedded rat liver tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



of Symmetric DiMethyl-Histone H4-R3 in paraffin-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.



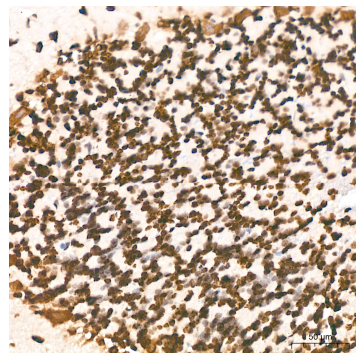
Immunohistochemistry analysis of Symmetric DiMethyl-Histone H4-R3 in paraffin-embedded human spleen tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



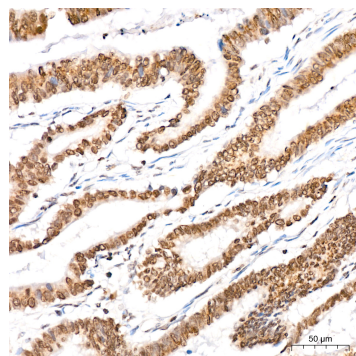
Immunohistochemistry analysis of Symmetric DiMethyl-Histone H4-R3 in paraffin-embedded human colon tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



of Symmetric DiMethyl-Histone H4-R3 in paraffin-embedded 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 Symmetric DiMethyl-Histone H4-R3 in paraffin-embedded 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.



Immunohistochemistry analysis of Symmetric DiMethyl-Histone H4-R3 in 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.



Validation Data

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