

# 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

<b>WB</b>	1:500 - 1:2000
<b>DB</b>	1:500 - 1:2000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Contact

 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## 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

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

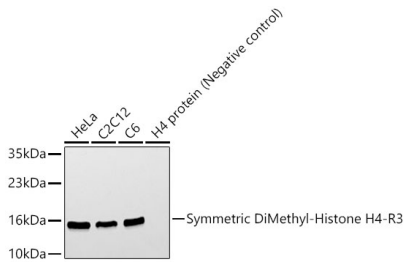
Affinity purification

### Storage

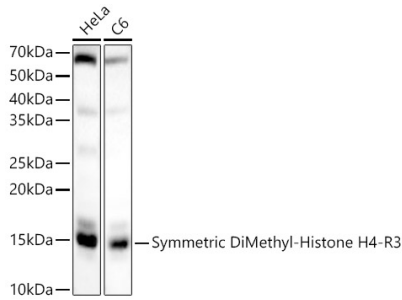
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

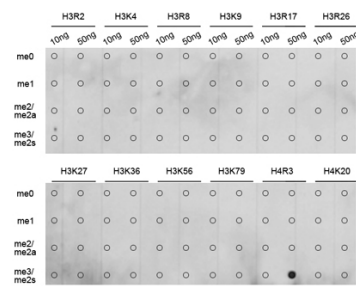
# Validation Data



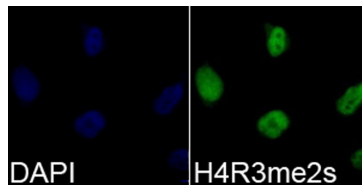
Western blot analysis of various lysates, using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at 1:400 dilution.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: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



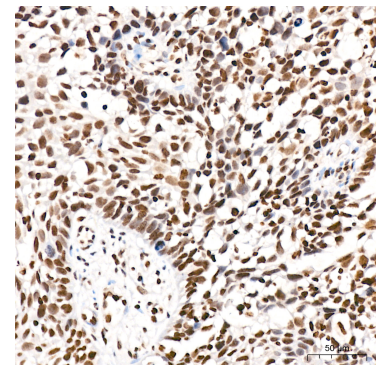
Western blot analysis of various lysates, using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at 1:2000 dilution.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
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



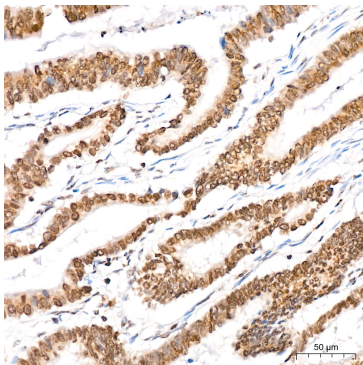
Dot-blot analysis of all sorts of methylation peptides using Symmetric DiMethyl-Histone H4-R3 antibody (A3159).



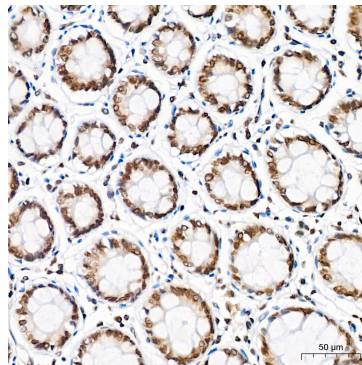
Immunofluorescence analysis of 293T cells using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159). Blue: DAPI for nuclear staining.



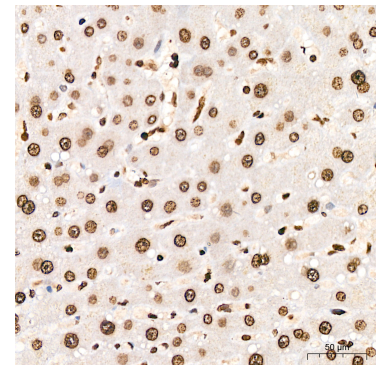
Immunohistochemistry analysis of paraffin-embedded Human cervix cancer tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-



Immunohistochemistry analysis of paraffin-

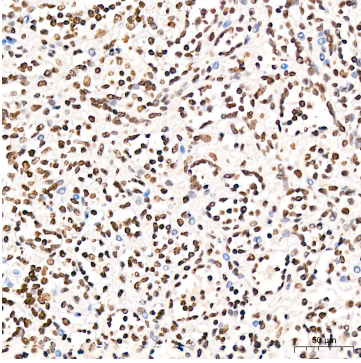


Immunohistochemistry analysis of paraffin-

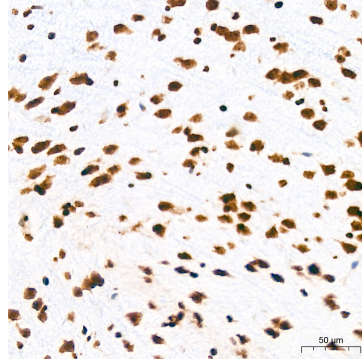


## Validation Data

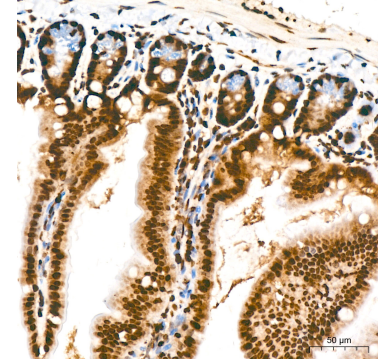
embedded Human colon carcinoma tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



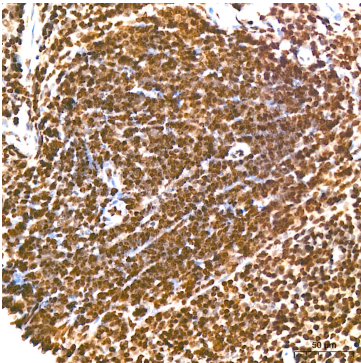
embedded Human colon tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



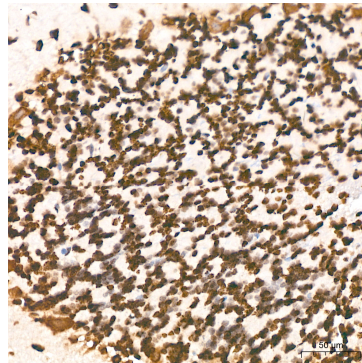
embedded Human liver tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



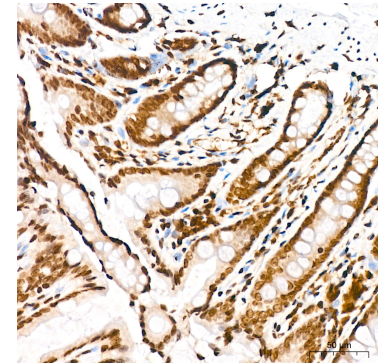
Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



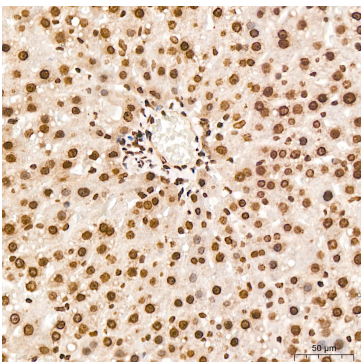
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Symmetric DiMethyl-Histone H4-R3 Rabbit pAb (A3159) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded 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 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 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 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 of paraffin-embedded Rat liver tissue using Symmetric

## 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.