

# Symmetric DiMethyl-Histone H3-R17 Rabbit pAb

Catalog No.: A3152

## Basic Information

### Observed MW

17kDa

### Calculated MW

15kDa

### Category

Primary antibody

### Applications

ELISA,WB,IF/ICC

### 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. 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 H3 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3.

## Recommended Dilutions

**WB** 1:100 - 1:500

**IF/ICC** 1:50 - 1:200

## Immunogen Information

### Gene ID

8290/8350

### Swiss Prot

Q16695/P68431

### Immunogen

A synthetic symmetric dimethylated peptide around R17 of human histone H3 (NP\_003520.1).

### Synonyms

H3/j; H3C1; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FJ; H3C10; H3C11; HIST1H3J; Symmetric DiMethyl-Histone H3-R17

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

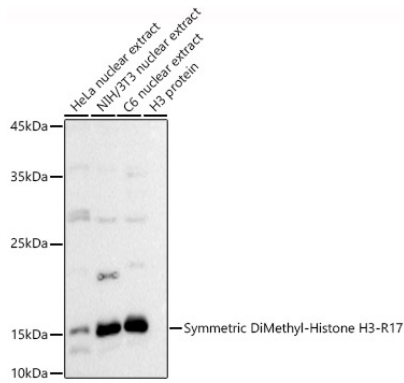
Affinity purification

### Storage

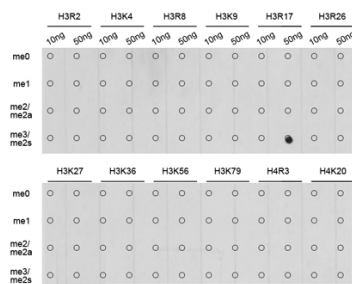
Store at -20°C. Avoid freeze / thaw cycles.

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

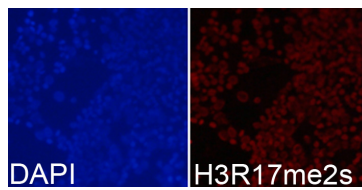
## Validation Data



Western blot analysis of various lysates using Symmetric DiMethyl-Histone H3-R17 Rabbit pAb (A3152) at 1:500 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: 60s.



Dot-blot analysis of all sorts of methylation peptides using Symmetric DiMethyl-Histone H3-R17 antibody (A3152).



Immunofluorescence analysis of 293T cells using Symmetric DiMethyl-Histone H3-R17 Rabbit pAb (A3152). Blue: DAPI for nuclear staining.