

# Asymmetric DiMethyl-Histone H3-R8 Rabbit mAb

Catalog No.: A22144 **Recombinant**

## Basic Information

**Observed MW**

17kDa

**Calculated MW**

16kDa

**Category**

Primary antibody

**Applications**

ELISA,WB,IHC-P,DB

**Cross-Reactivity**

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

**CloneNo number**

ARC54909

## Recommended Dilutions

<b>WB</b>	1:2000 - 1:4000
<b>IHC-P</b>	1:50 - 1:200
<b>DB</b>	1:5000 - 1:8000

## Contact

	400-999-6126
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	<a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>

## Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone 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 located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

## Immunogen Information

**Gene ID**

8290/8350

**Swiss Prot**

Q16695/P68431

**Immunogen**

A synthetic asymmetric dimethylated peptide around R8 of human Histone H3 (NP\_003520.1).

**Synonyms**

H3.4; H3/g; H3FT; H3t; HIST3H3; Histone H3; HIST1H3A; Asymmetric DiMethyl-Histone H3-R8

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

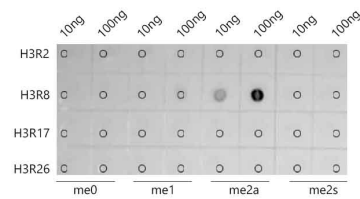
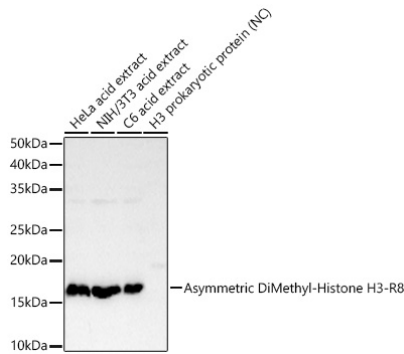
Affinity purification

**Storage**

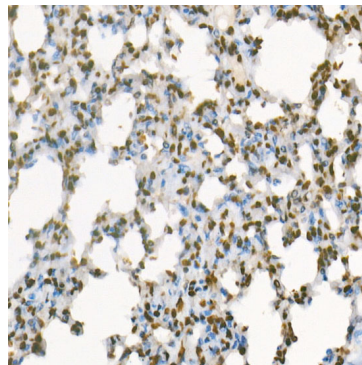
Store at -20°C. Avoid freeze / thaw cycles.

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

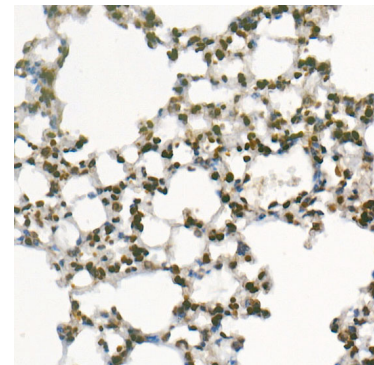
## Validation Data



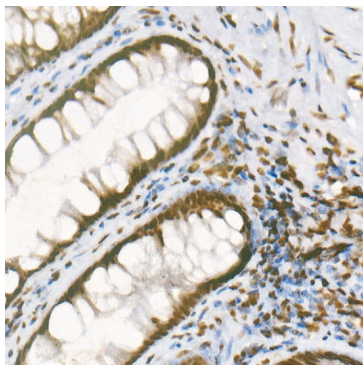
Dot-blot analysis of all sorts of peptides using Asymmetric DiMethyl-Histone H3-R8 Rabbit mAb (A22144) at 1:8200 dilution.



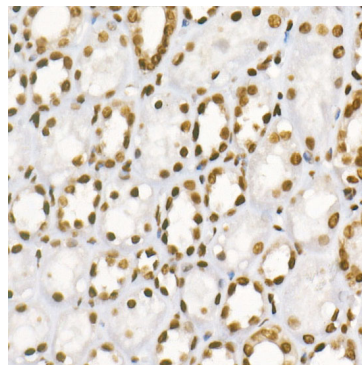
Immunohistochemistry analysis of paraffin-embedded Rat lung using Asymmetric DiMethyl-Histone H3-R8 Rabbit mAb (A22144) at dilution of 1:100(40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Mouse lung using Asymmetric DiMethyl-Histone H3-R8 Rabbit mAb (A22144) at dilution of 1:100(40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Human colon using Asymmetric DiMethyl-Histone H3-R8 Rabbit mAb (A22144) at dilution of 1:100(40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Human kidney using Asymmetric DiMethyl-Histone H3-R8 Rabbit mAb (A22144) at dilution of 1:100(40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.