

# Asymmetric DiMethyl-Histone H3-R17 Rabbit Polyclonal Antibody

CAB2421



## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

17kDa

### Calculated MW:

15kDa

### Applications:

WB IHC IF IP

### Reactivity:

Human, Mouse, Rat, Other  
(Wide Range)

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200 IF 1:50 - 1:200 IP  
1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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.

## Immunogen information

### Gene ID:

8356

### Uniprot

P68431

### Synonyms:

HIST1H3J; H3/j; H3FJ

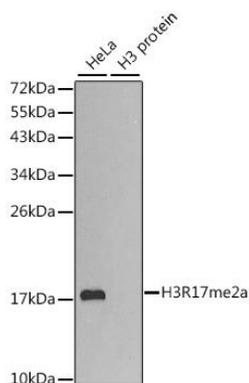
### Immunogen:

A synthetic methylated peptide corresponding to residues surrounding Arg17 of human histone H3

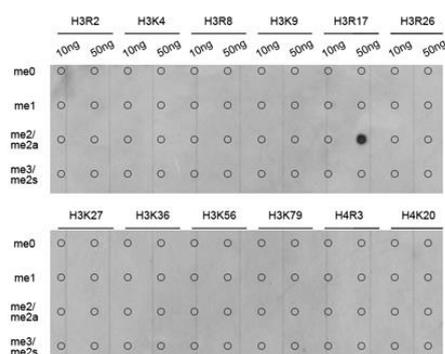
### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

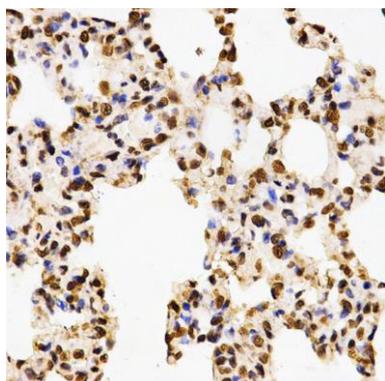
## Product Images



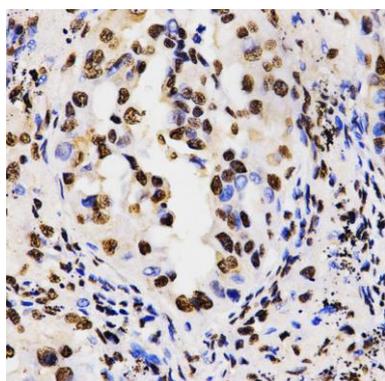
Western blot analysis of extracts of various cell lines, using Asymmetric DiMethyl-Histone H3-R17 antibody (CAB2421). Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Dot-blot analysis of all sorts of methylation peptides using Asymmetric DiMethyl-Histone H3-R17 antibody (CAB2421).



Immunohistochemistry of paraffin-embedded rat lung using Asymmetric DiMethyl-Histone H3-R17 antibody (CAB2421) at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded human lung cancer using Asymmetric DiMethyl-Histone H3-R17 antibody (CAB2421) at dilution of 1:200 (40x lens).