

# MonoMethyl-Histone H3-K9 Rabbit Polyclonal Antibody

CAB2358



## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

14kDa

### Calculated MW:

15kDa

### Applications:

WB IHC IF IP ChIP ChIPseq

### 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 ChIP 1:20 -  
1:100 ChIPseq 1:20 - 1:100

### 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. 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

### Uniprot

Q16695

### Synonyms:

H3.4; H3/g; H3FT; H3t; HIST3H3; Histone H3; HIST1H3A

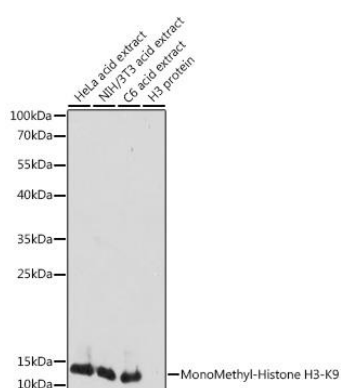
### Immunogen:

A synthetic methylated peptide corresponding to residues surrounding K9 of human histone H3

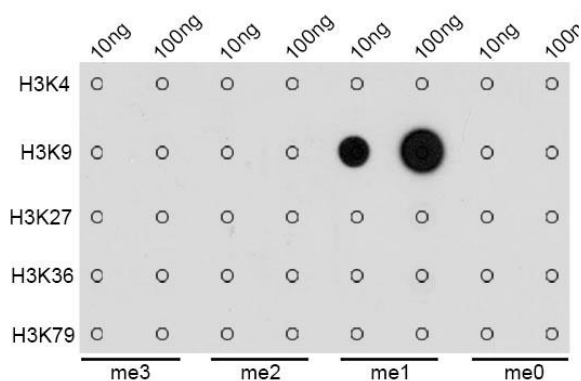
### Storage:

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

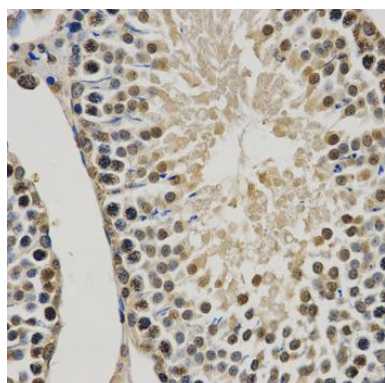
## Product Images



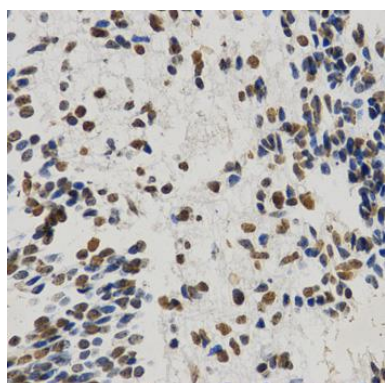
Western blot analysis of extracts of various cell lines, using MonoMethyl-Histone H3-K9 antibody (CAB2358) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 5s.



Dot-blot analysis of all sorts of methylation peptides using MonoMethyl-Histone H3-K9 antibody (CAB2358).



Immunohistochemistry of paraffin-embedded rat testis using MonoMethyl-Histone H3-K9 antibody (CAB2358) at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded human embryo brain using MonoMethyl-Histone H3-K9 antibody (CAB2358) at dilution of 1:200 (40x lens).