

# MonoMethyl-Histone H3-K9 pAb

Catalog No: tcba7451



## Available Sizes

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**Size:** 50ul

**Size:** 100ul

**Size:** 200ul



## Specifications

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**Application:**

WB,IHC,IF,IP,ChIP,ChIPseq

**Research Area:**

Cancer,MAPK pathway,MAPK/p38 pathway,MAPK/ERK pathway,Epigenetics,

**Species Reactivity:**

Human,Mouse,Rat,Other (Wide Range)

**Host Species:**

Rabbit

**Isotype:**

IgG

**Form:**

Liquid

**Storage Buffer:**

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Recommended Dilution:**

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

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**Storage Instruction:**

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

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**Alternative Names:**

H3.4;H3/g;H3FT;H3t

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**SwissProt:**

Q16695

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**Gene ID:**

8290 (human);

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**Calculated Molecular Weight:**

15kDa

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**Purification:**

Affinity purification

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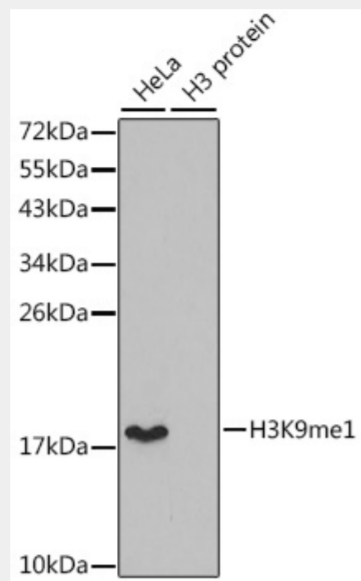
**Cellular Location:**

Chromosome,Nucleus,

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**Product Description**

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.

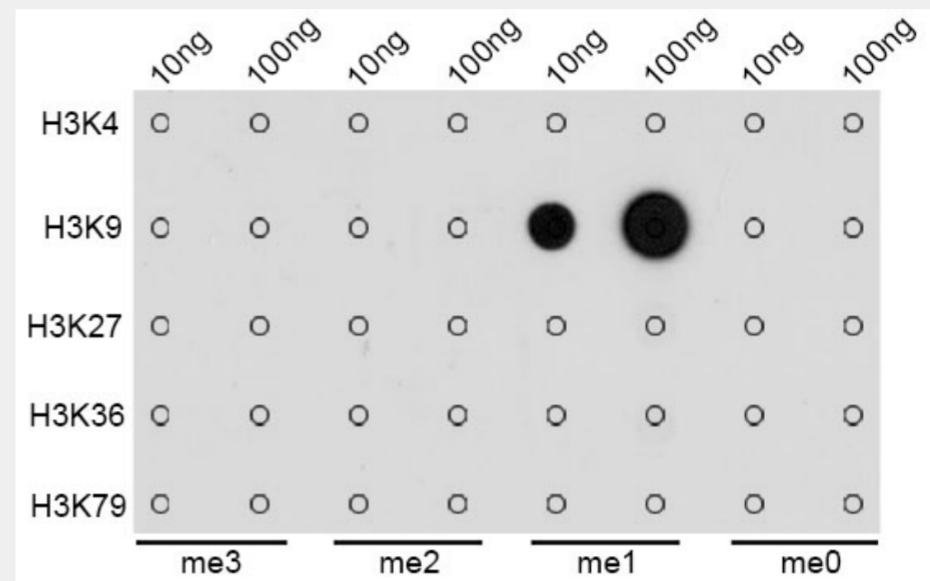


Western blot analysis of extracts of various cell lines, using MonoMethyl-Histone H3-K9 antibody.

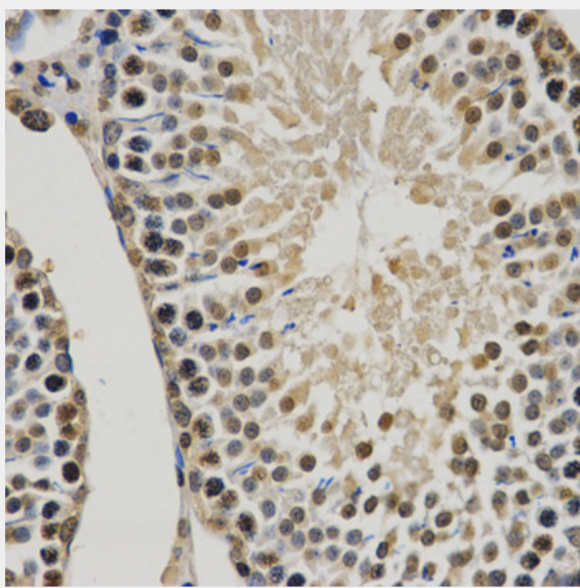
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

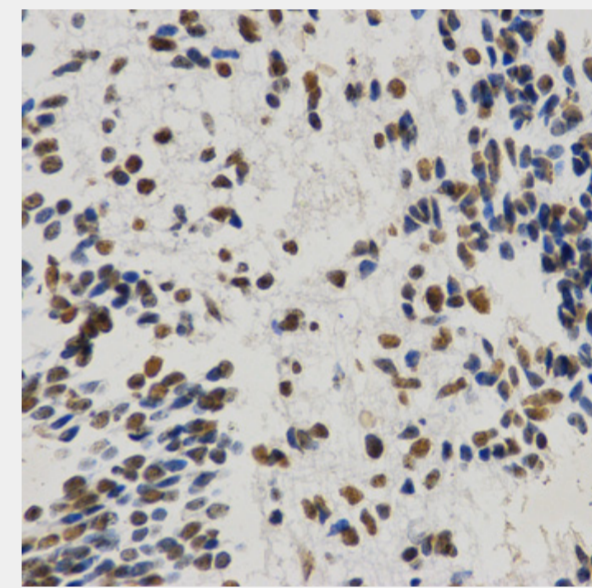
Blocking buffer: 3% nonfat dry milk in TBST.



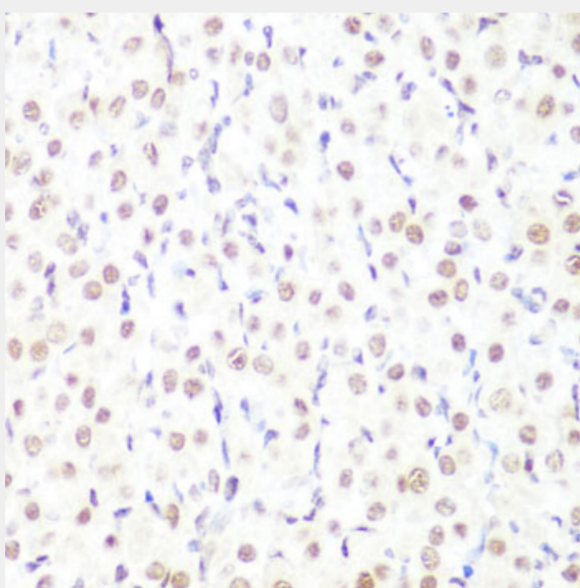
Dot-blot analysis of all sorts of methylation peptides using MonoMethyl-Histone H3-K9 antibody.



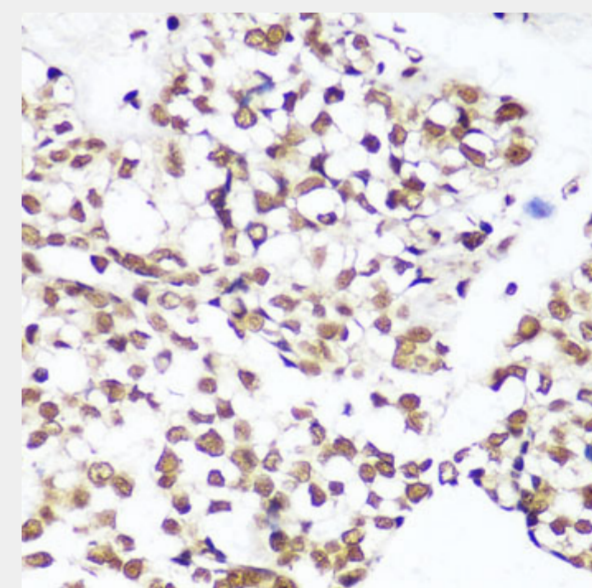
Immunohistochemistry of paraffin-embedded rat testis using MonoMethyl-Histone H3-K9 antibody at dilution of 1:200 (40x lens).



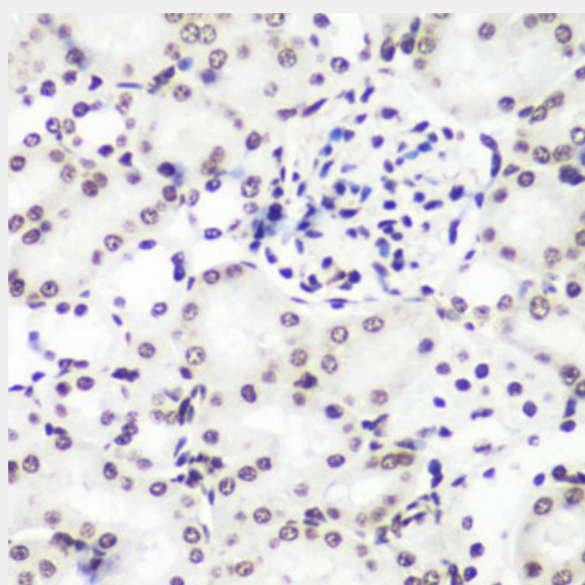
Immunohistochemistry of paraffin-embedded human embryo brain using MonoMethyl-Histone H3-K9 antibody at dilution of 1:200 (40x lens).



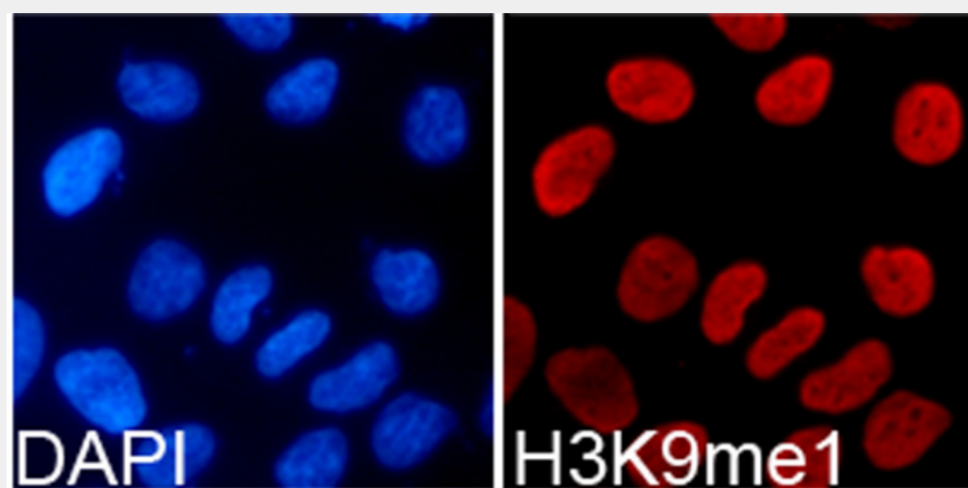
Immunohistochemistry of paraffin-embedded rat ovary using H3K9me1 antibody at dilution of 1:100 (40x lens).



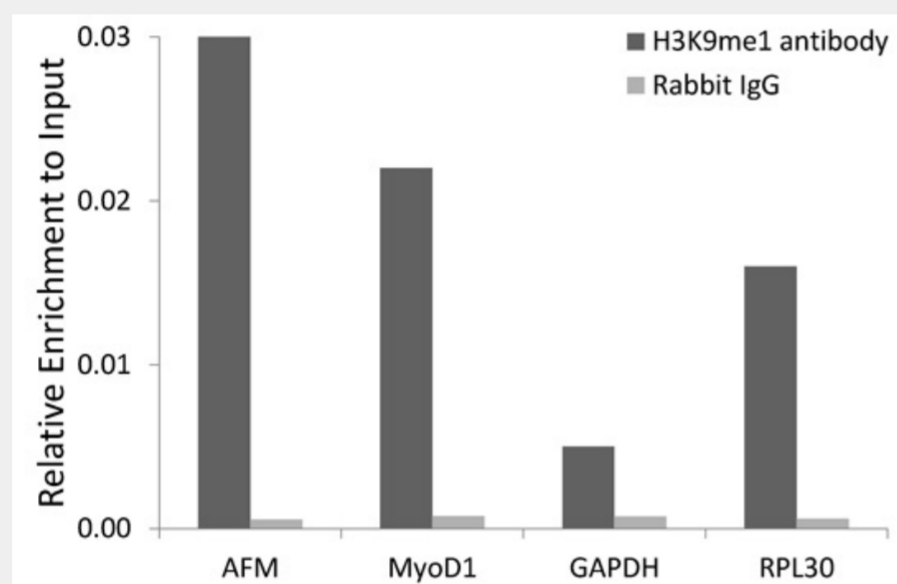
Immunohistochemistry of paraffin-embedded human breast using H3K9me1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse kidney using H3K9me1 antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of 293T cells using MonoMethyl-Histone H3-K9 antibody. Blue: DAPI for nuclear staining.



Chromatin immunoprecipitation analysis extracts of 293 cell line, using MonoMethyl-Histone H3-K9 antibody and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!