

# Anti DiMethyl Histone Antibody

Catalog No: tcsa17015



## Available Sizes

**Size:** 100μl



## Specifications

**Application:**

WB, IHC, IF, IP, ChIP

**Species Reactivity:**

Human, Mouse, Rat, Other (Wide Range)

**Host Species:**

Rabbit

**Immunogen / Amino acids:**

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

**Conjugation:**

Unconjugated

**Isotype:**

IgG

**Form:**

Liquid

**Storage 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 1:50 - 1:200

CHIPseq 1:50 - 1:200

### Storage Instruction:

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

### Alternative Names:

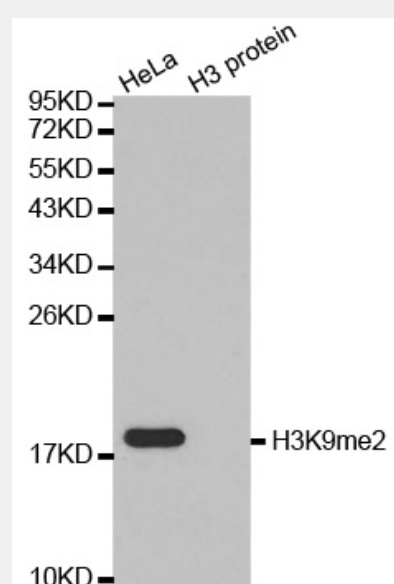
HIST3H3 antibody; Histone H3.1t antibody; H3/t antibody; H3t antibody; H3/g antibody; HIST3H3 antibody; H3FT antibody

### SwissProt:

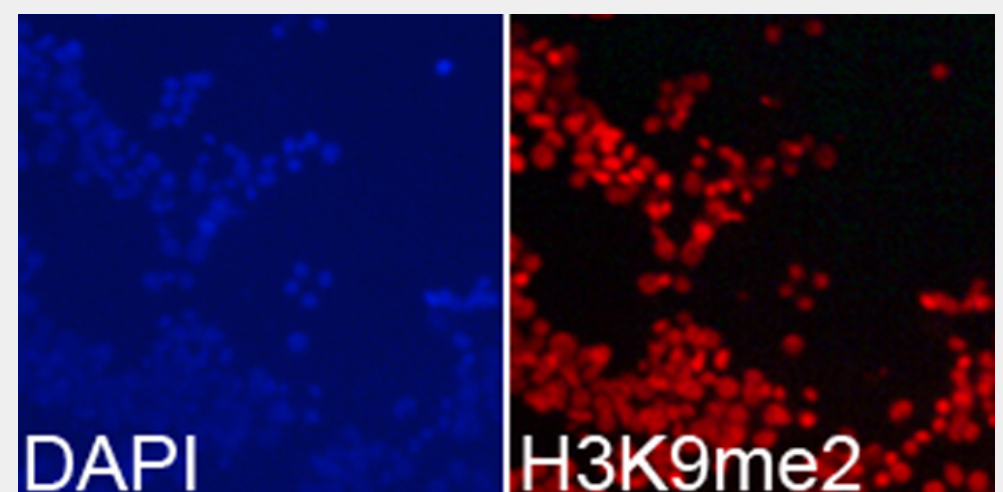
Q16695

## Product Description

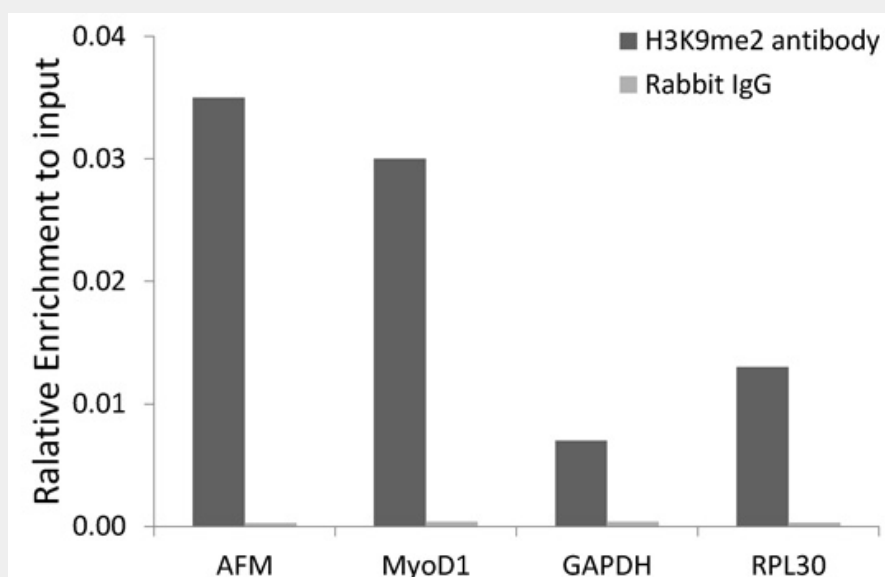
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber 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.



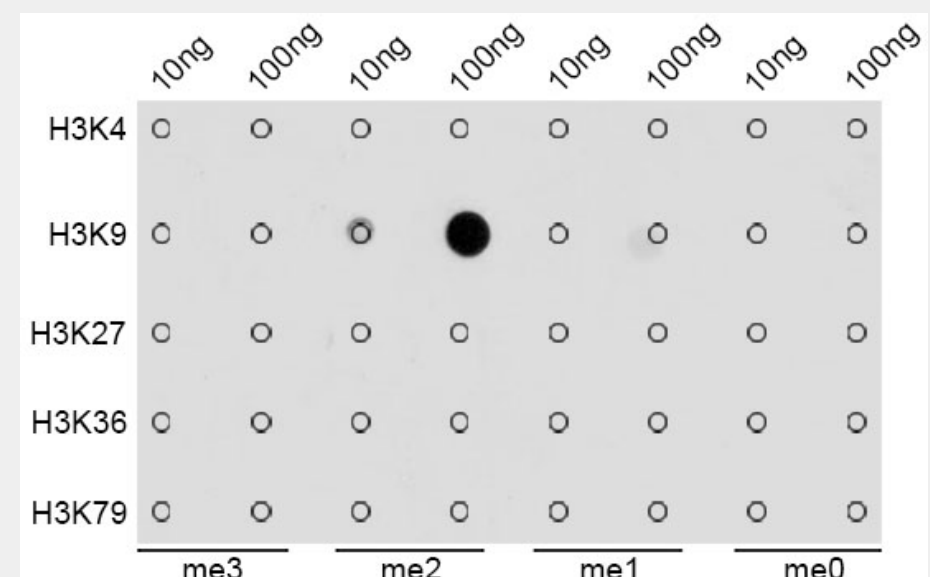
Western blot analysis of extracts of various cell lines, using DiMethyl-Histone H3-K9 antibody. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



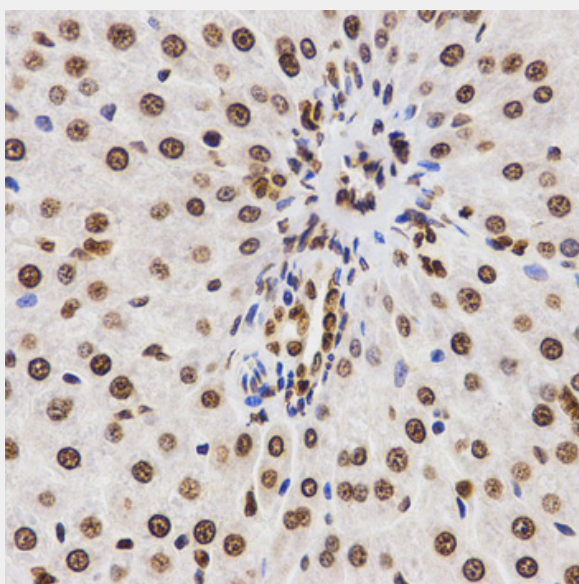
Immunofluorescence analysis of 293T cells using DiMethyl-Histone H3-K9 antibody. Blue: DAPI for nuclear staining.



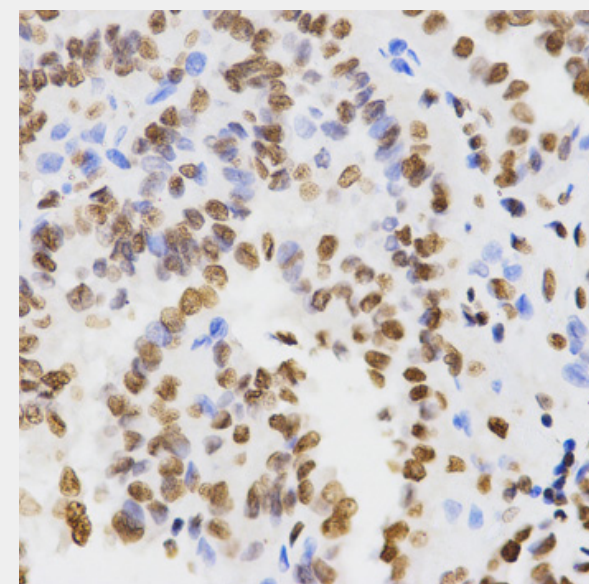
Chromatin immunoprecipitation analysis extracts of 293 cell line, using DiMethyl-Histone H3-K9 antibody and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



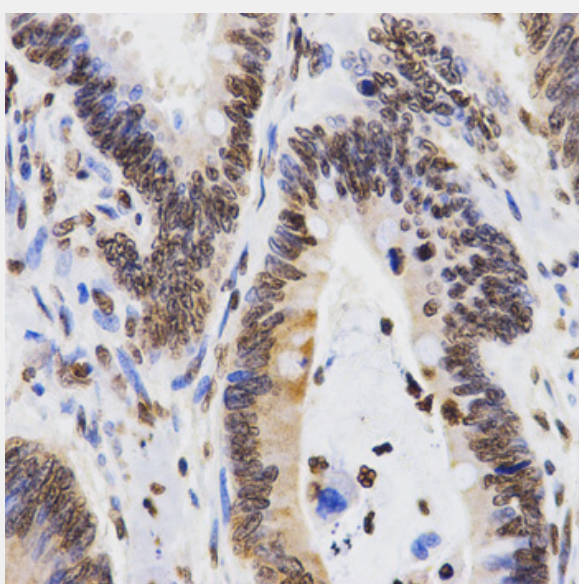
Dot-blot analysis of all sorts of methylation peptides using DiMethyl-Histone H3-K9 antibody.



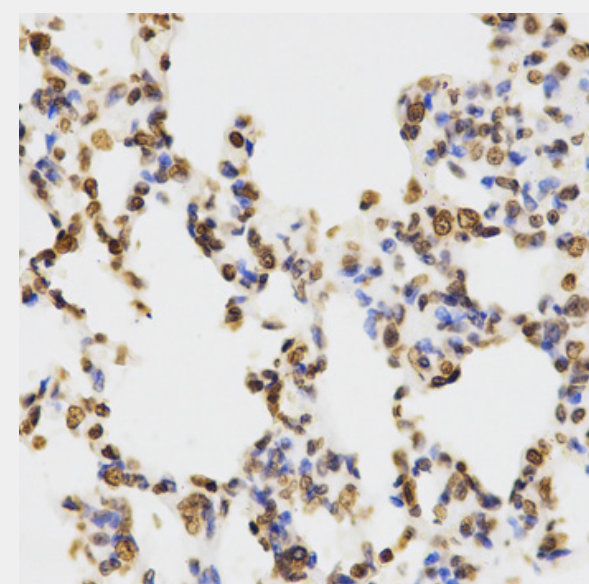
Immunohistochemistry of paraffin-embedded rat liver using DiMethyl-Histone H3-K9 antibody at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded human thyroid cancer using DiMethyl-Histone H3-K9 antibody at dilution of 1:200 (40x lens).

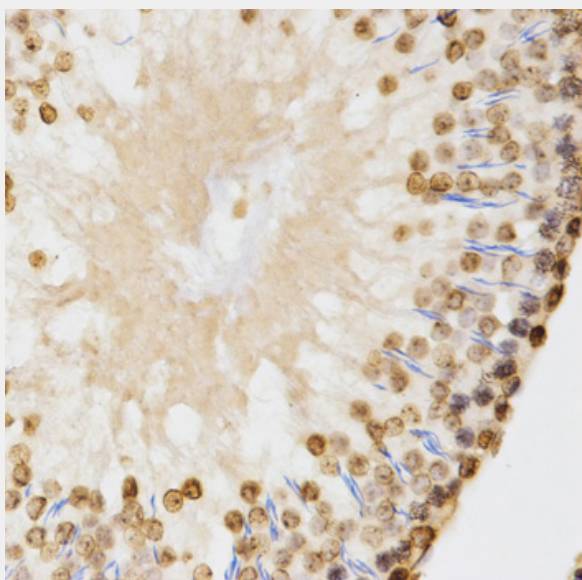


Immunohistochemistry of paraffin-embedded human rectal cancer using DiMethyl-Histone H3-K9 antibody at dilution of 1:200 (40x lens).

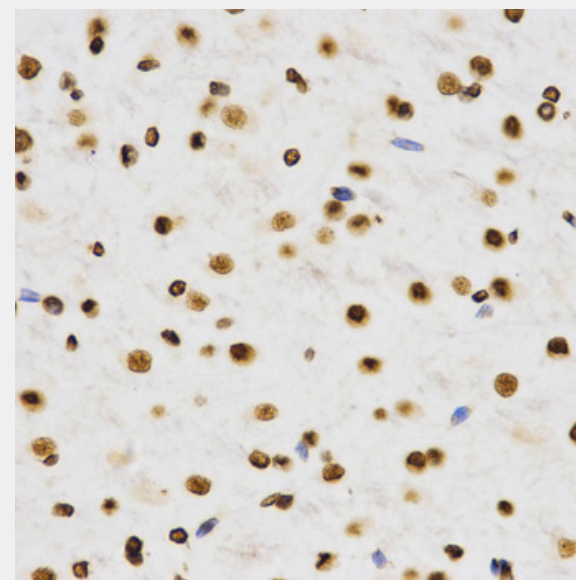


Immunohistochemistry of paraffin-embedded rat lung using DiMethyl-Histone H3-K9 antibody at dilution of 1:200 (40x lens).

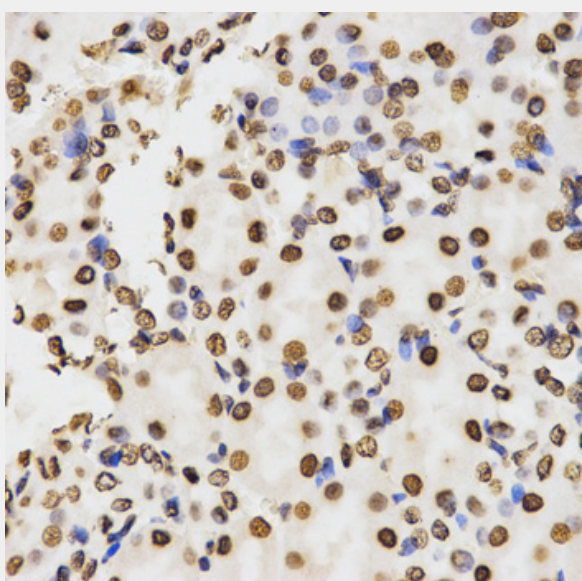




Immunohistochemistry of paraffin-embedded rat testis using DiMethyl-Histone H3-K9 antibody at dilution of 1:200 (40x lens).



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



Immunohistochemistry of paraffin-embedded mouse kidney using DiMethyl-Histone H3-K9 antibody at dilution of 1:200 (40x lens).

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