Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

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

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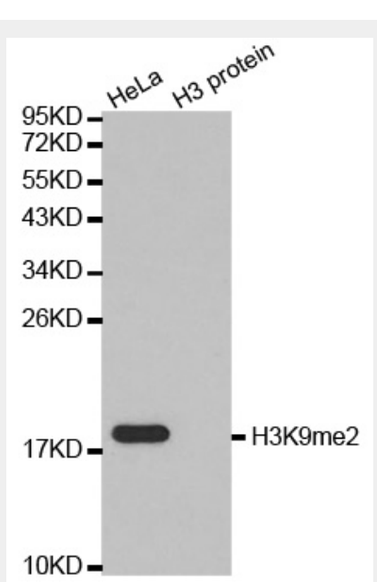
Storage Instruction:
Store at -20C. Avoid freeze / thaw cycles.

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

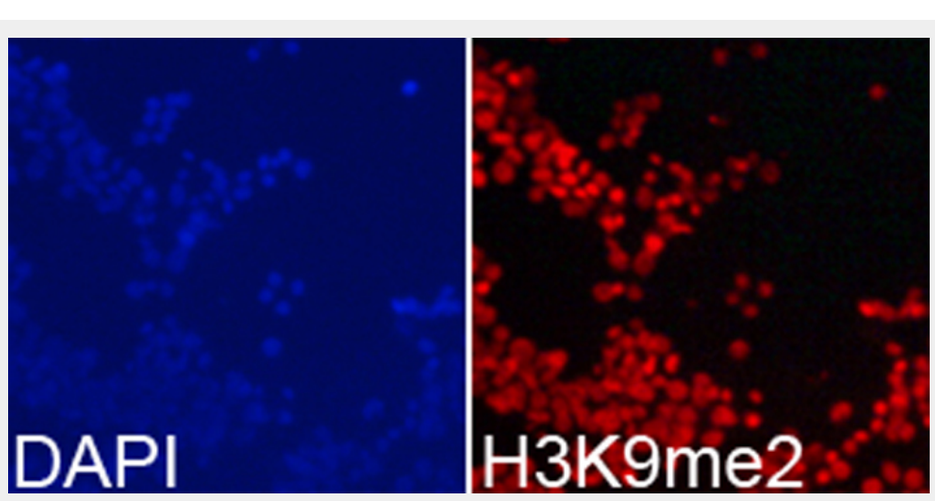
SwissProt:
Q16695

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.

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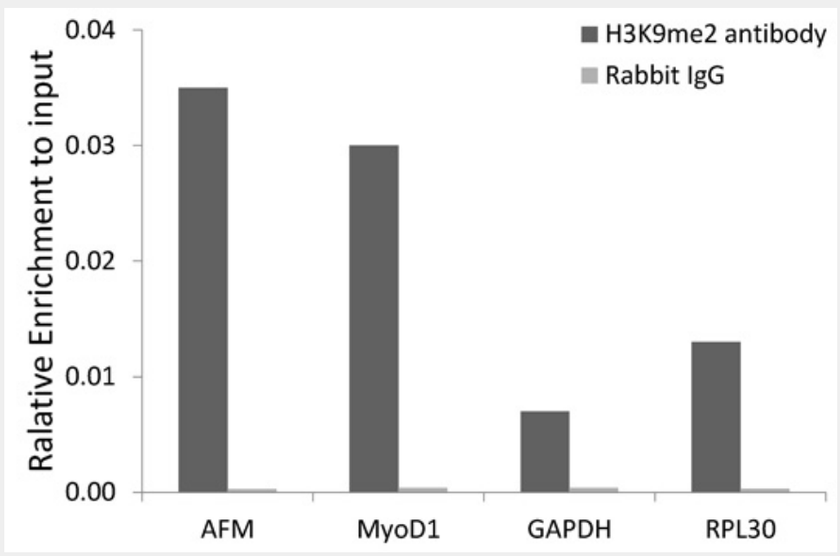
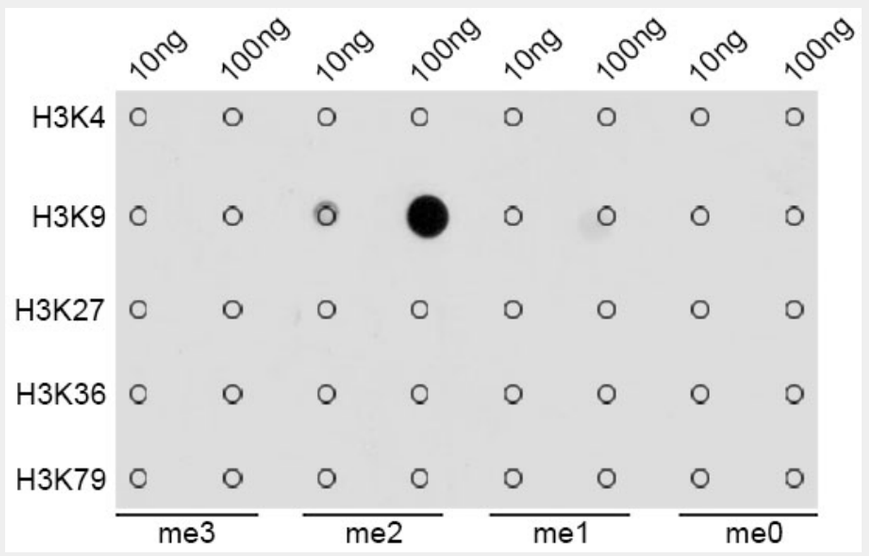
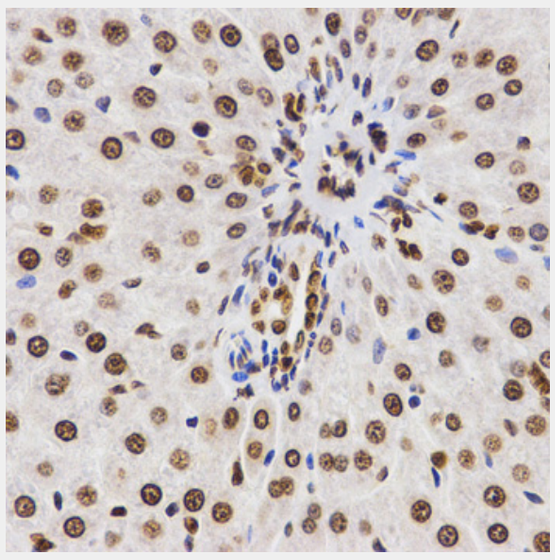


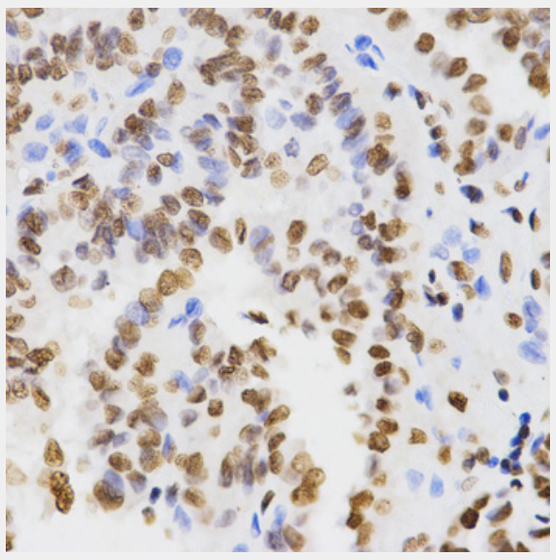
Chromatin immunoprecipitation analysis extracts of 293 cell line, using DiMethyl-Histone H3-K9 antibody and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



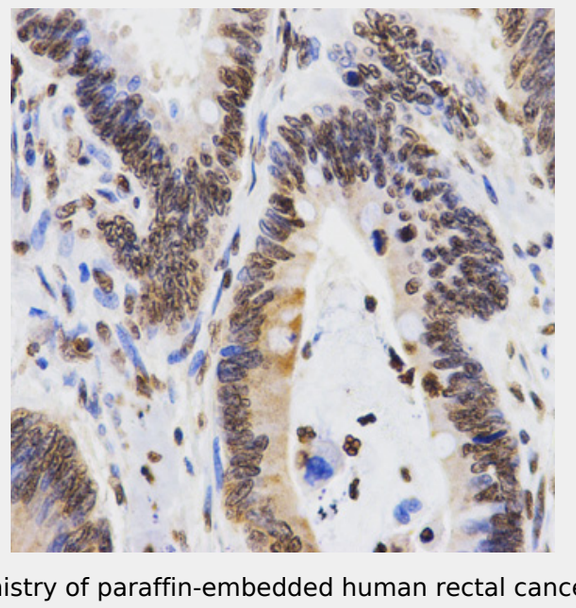
Dot-blot analysis of all sorts of methylation peptides using DiMethyl-Histone H3-K9 antibody.



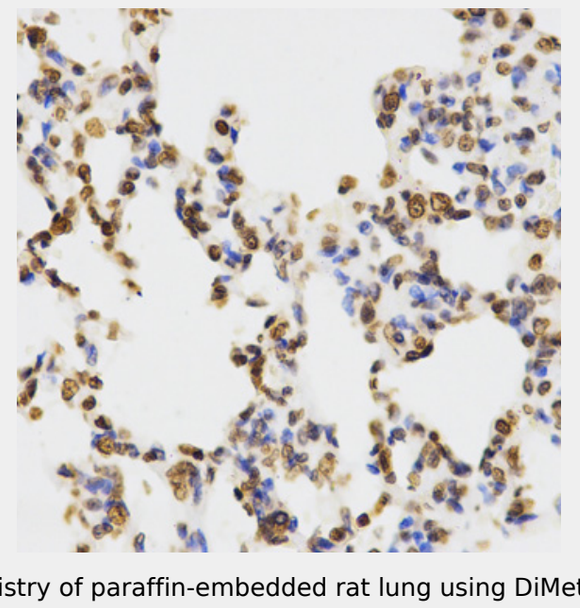
Immunohistochemistry of paraffin-embedded rat liver using DiMethyl-Histone H3-K9 antibody at dilution of 1:200 (40x lens).



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).

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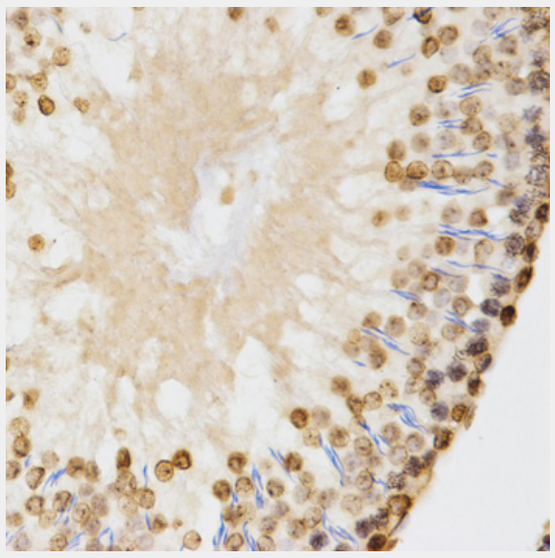
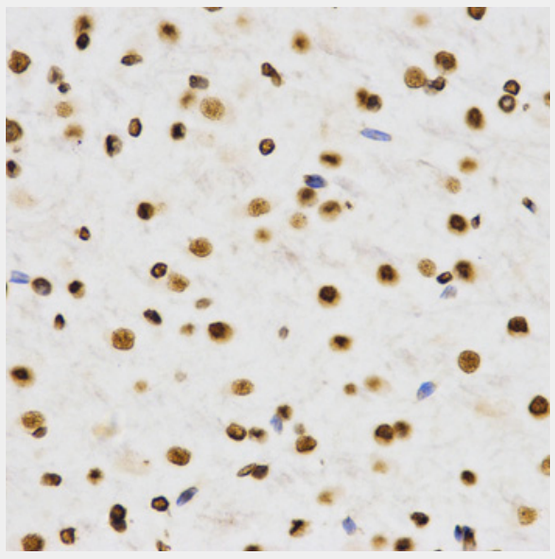
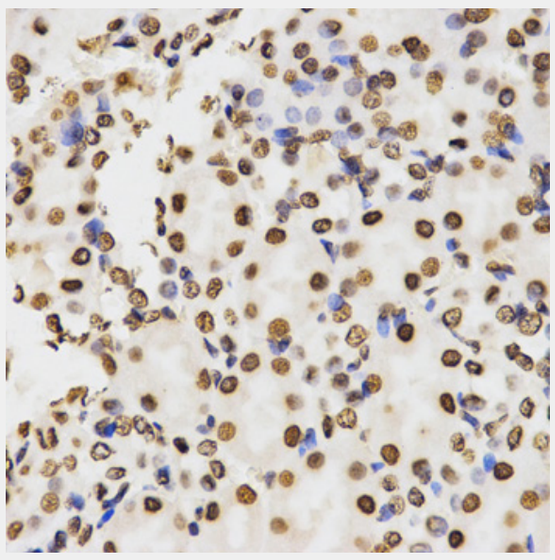


Immunohistochemistry of paraffin-embedded rat testis using DiMethyl-Histone H3-K9 antibody at dilution of 1:200 (40x lens).



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!