

DiMethyl-Histone H3-K36 Rabbit mAb

Catalog No.: A22087 **Recombinant**

Basic Information

Observed MW

17kDa

Calculated MW

16kDa

Category

Primary antibody

Applications

ELISA,DB,WB,IHC-P,IF/ICC,IP

Cross-Reactivity

Human, Mouse, Rat, Other (Wide Range Predicted)

CloneNo number

ARC54175

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.

Recommended Dilutions

DB 1:2000 - 1:10000**WB** 1:2000 - 1:10000**IHC-P** 1:1000 - 1:5000**IF/ICC** 1:50 - 1:200**IP** 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

Immunogen Information

Gene ID

8290/8350

Swiss Prot

Q16695/P68431

Immunogen

A synthetic dimethylated peptide around K36 of human Histone H3 (NP_003520.1).

Synonyms

H3t; H3.4; H3/g; H3FT; H3C16; HIST3H3; DiMethyl-Histone H3-K36

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

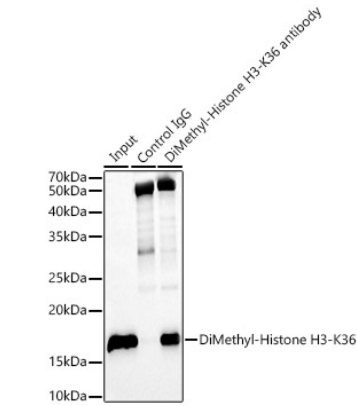
Storage

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

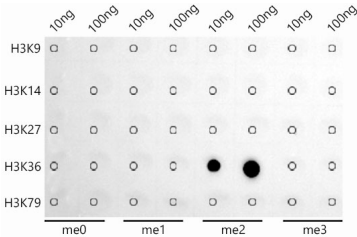
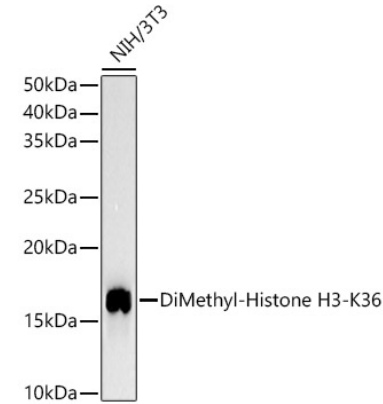
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data

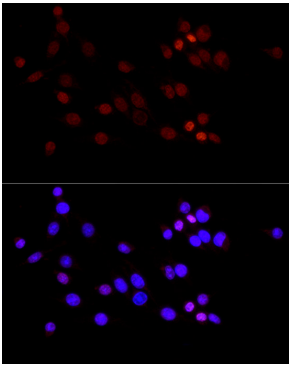
Immunoprecipitation analysis of 600 µg extracts of 293F cells using 5 µg DiMethyl-Histone H3-K36 antibody (A22087). Western blot was performed from the immunoprecipitate using DiMethyl-Histone H3-K36 antibody (A22087) at a dilution of 1:10000.



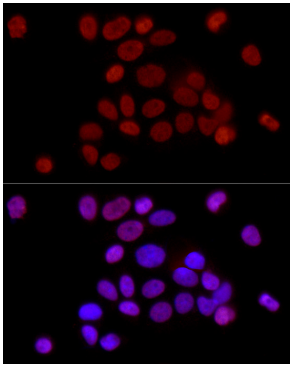
Western blot analysis of lysates from NIH/3T3 cells, using DiMethyl-Histone H3-K36 Rabbit mAb (A22087) at 1:10000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



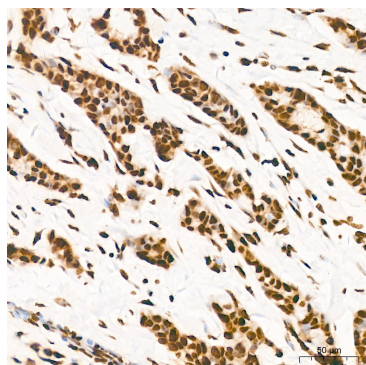
Dot-blot analysis of all sorts of peptides using DiMethyl-Histone H3-K36 Rabbit mAb antibody (A22087) at 1:10000 dilution.



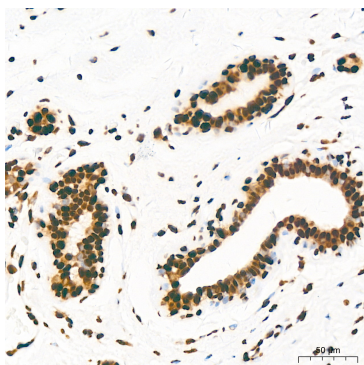
Immunofluorescence analysis of C6 cells using DiMethyl-Histone H3-K36 Rabbit mAb (A22087) at dilution of 1:200/1:500 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



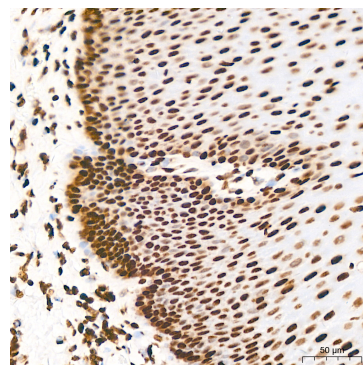
Immunofluorescence analysis of MCF7 cells using DiMethyl-Histone H3-K36 Rabbit mAb (A22087) at dilution of 1:200/1:500 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



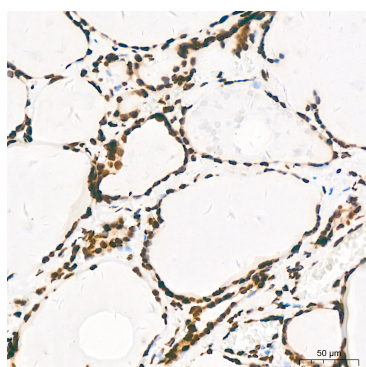
Immunohistochemistry analysis of DiMethyl-Histone H3-K36 in paraffin-embedded human breast cancer tissue using DiMethyl-Histone H3-K36 Rabbit mAb (A22087) at a dilution of 1:3000 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



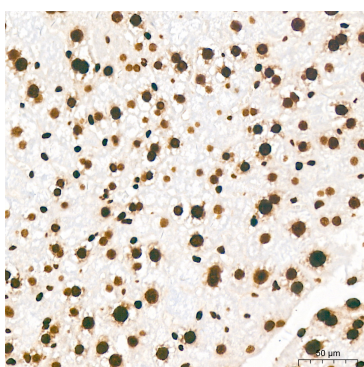
Immunohistochemistry analysis of DiMethyl-Histone H3-K36 in paraffin-embedded human breast tissue using DiMethyl-Histone H3-K36 Rabbit mAb (A22087) at a dilution of 1:3000 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



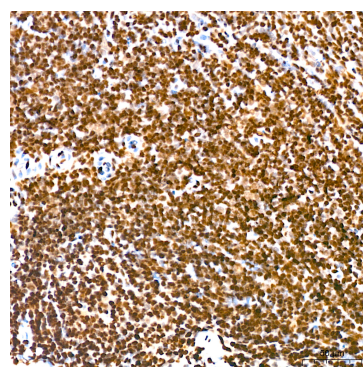
Immunohistochemistry analysis of DiMethyl-Histone H3-K36 in paraffin-embedded human esophagus tissue using DiMethyl-Histone H3-K36 Rabbit mAb (A22087) at a dilution of 1:3000 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



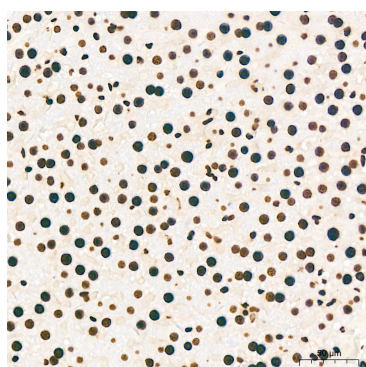
Immunohistochemistry analysis of DiMethyl-Histone H3-K36 in paraffin-embedded human thyroid tissue using DiMethyl-Histone H3-K36 Rabbit mAb (A22087) at a dilution of 1:3000 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



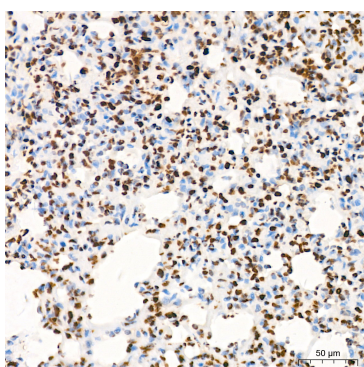
Immunohistochemistry analysis of DiMethyl-Histone H3-K36 in paraffin-embedded mouse liver tissue using DiMethyl-Histone H3-K36 Rabbit mAb (A22087) at a dilution of 1:3000 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of DiMethyl-Histone H3-K36 in paraffin-embedded mouse spleen tissue using DiMethyl-Histone H3-K36 Rabbit mAb (A22087) at a dilution of 1:3000 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of DiMethyl-Histone H3-K36 in paraffin-embedded rat liver tissue using DiMethyl-Histone H3-K36 Rabbit mAb (A22087) at a dilution of 1:3000 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of DiMethyl-Histone H3-K36 in paraffin-embedded rat lung tissue using DiMethyl-Histone H3-K36 Rabbit mAb (A22087) at a dilution of 1:3000 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.