

A25095PM

Leader in Biomolecular Solutions for Life Science



TriMethyl-Histone H3-K27 Rabbit PolymAb®

Catalog No.: A25095PM

Basic Information

Observed MW

17kDa

Calculated MW

16kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

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

Cross-Reactivity

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

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

WB 1:500 - 1:1000

DB 1:500 - 1:1000

IHC-P 1:50 - 1:200

IF/ICC 1:50 - 1:200

ELISA Recommended starting
concentration is 1
µg/mL. Please optimize
the concentration
based on your specific
assay requirements.

ChIP 2 µg antibody for
5µg-10µg of Chromatin

Immunogen Information

Gene ID

8290/8350

Swiss Prot

Q16695/P68431

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

H3t; H3.4; H3/g; H3FT; H3C16; HIST3H3; TriMethyl-Histone H3-K27

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

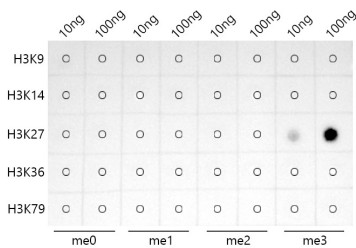
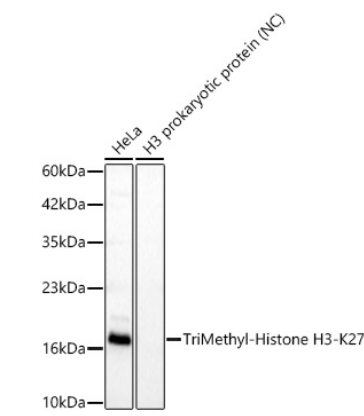
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Contact

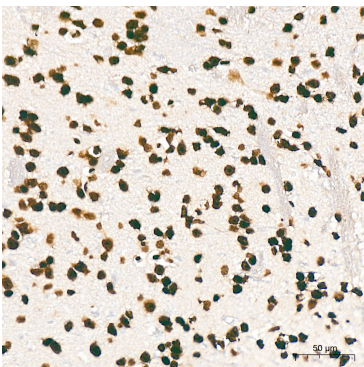


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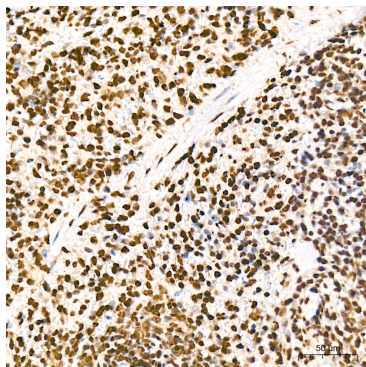
Validation Data



Dot-blot analysis of H3K9me0, H3K9me1, H3K9me2, H3K9me3, H3K14me0, H3K14me1, H3K14me2, H3K14me3, H3K27me0, H3K27me1, H3K27me2, H3K27me3, H3K36me0, H3K36me1, H3K36me2, H3K36me3, H3K79me0, H3K79me1, H3K79me2, H3K79me3 using TriMethyl-Histone H3-K27 Rabbit PolymAb®.



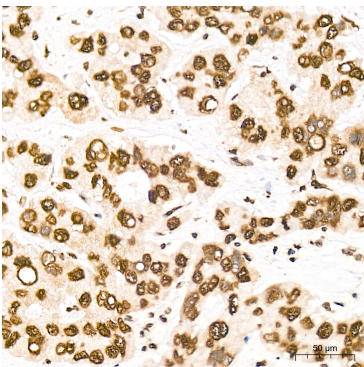
Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using TriMethyl-Histone H3-K27 Rabbit PolymAb® (A25095PM) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



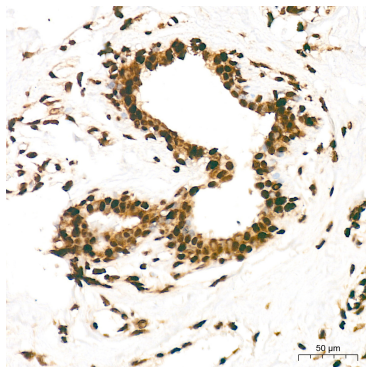
Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using TriMethyl-Histone H3-K27 Rabbit PolymAb® (A25095PM) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using TriMethyl-Histone H3-K27 Rabbit PolymAb® (A25095PM) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

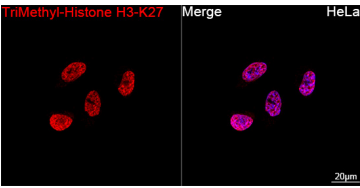


Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using TriMethyl-Histone H3-K27 Rabbit PolymAb® (A25095PM) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

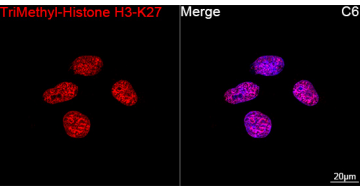


Immunohistochemistry analysis of paraffin-embedded Human breast tissue using TriMethyl-Histone H3-K27 Rabbit PolymAb® (A25095PM) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

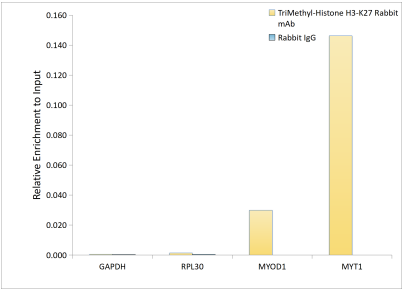
staining.



Confocal imaging of HeLa cells using TriMethyl-Histone H3-K27 Rabbit PolymAb® (A25095PM, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of C6 cells using TriMethyl-Histone H3-K27 Rabbit PolymAb® (A25095PM, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Chromatin immunoprecipitation was performed with 10 µg of cross-linked chromatin from HeLa, using 2 µg of TriMethyl-Histone H3-K27 Rabbit PolymAb® (A25095PM) and Rabbit Control IgG (AC005). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.