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TriMethyl-Histone H3-K27 Rabbit PolymAb®

Catalog No.: A25095PM

Basic Information

Observed MW
17kDa

Calculated MW
16kDa

Category
Primary antibody

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

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
A synthetic trimethylated peptide around K27 of human Histone H3 (NP_003520.1).

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

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

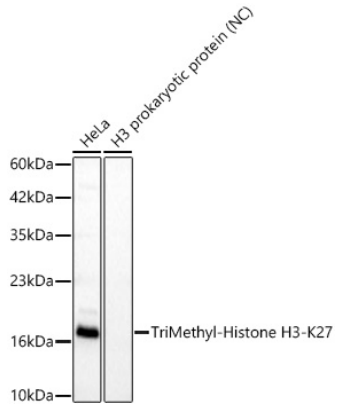
Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Contact

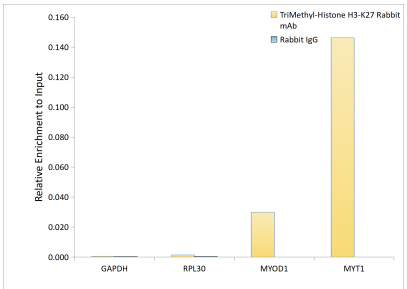
400-999-6126

cn.market@abclonal.com.cn

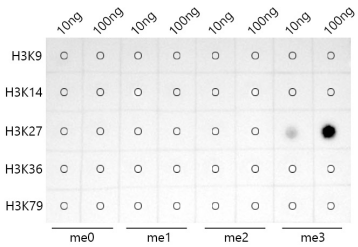
Validation Data



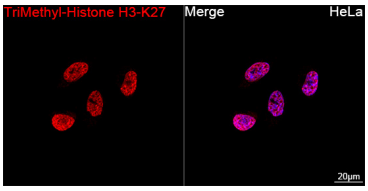
Western blot analysis of various lysates using TriMethyl-Histone H3-K27 Rabbit PolymAb® (A25095PM)at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): H3 prokaryotic protein
Exposure time: 5s.



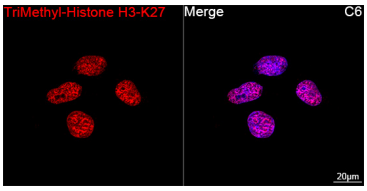
Chromatin immunoprecipitation was performed with 10 µg of cross-linked chromatin from HeLa, using 2 µg of TriMethyl-Histone H3-K27 Rabbit PolymAb® (A25095PM) and Rabbit Control IgG (AC005). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram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



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® .

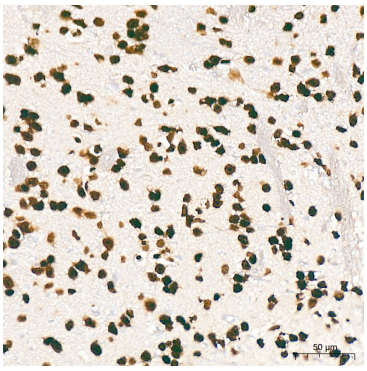


Confocal imaging of HeLa cells using TriMethyl-Histone H3-K27 Rabbit PolymAb® (A25095PM, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

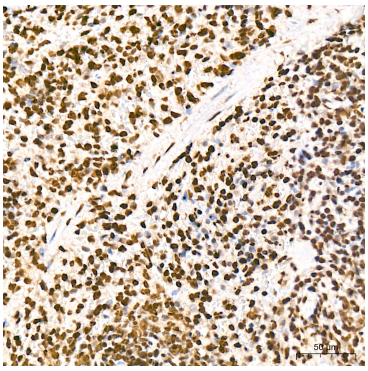


Confocal imaging of C6 cells using TriMethyl-Histone H3-K27 Rabbit PolymAb® (A25095PM, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

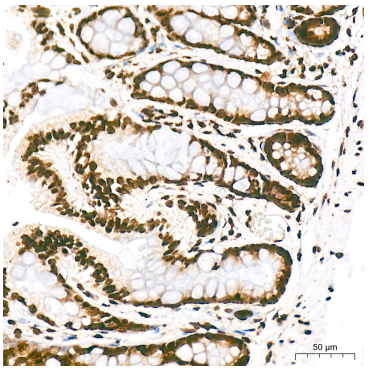
Validation Data



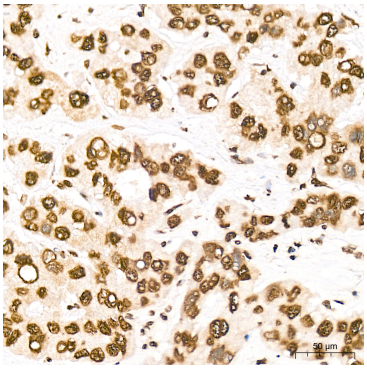
Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using TriMethyl-Histone H3-K27 Rabbit PolymAb® (A25095PM) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



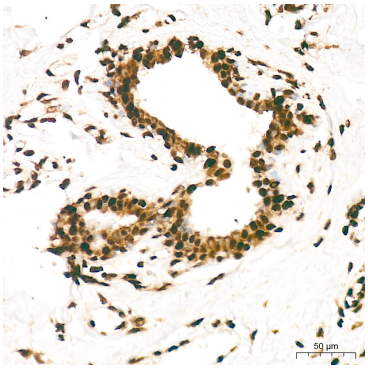
Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using TriMethyl-Histone H3-K27 Rabbit PolymAb® (A25095PM) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



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.