

TriMethyl-Histone H3-K4 Rabbit mAb

Catalog No.: A22225 **Recombinant** **1 Publications**

Basic Information

Observed MW

17kDa

Calculated MW

15kDa

Category

Primary antibody

Applications

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

Cross-Reactivity

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

CloneNo number

ARC55092

Recommended Dilutions

DB 1:10000 - 1:60000

WB 1:10000 - 1:30000

IHC-P 1:50 - 1:200

IF/ICC 1:50 - 1:200

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

Contact

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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.

Immunogen Information

Gene ID

8290/8350

Swiss Prot

Q16695/P68431

Immunogen

A synthetic trimethylated peptide around K4 of human Histone H3 (NP_003520.1).

Synonyms

H3.4; H3/g; H3FT; H3t; HIST3H3; Histone H3; HIST1H3A; TriMethyl-Histone H3-K4

Product Information

Source

Rabbit

Isotype

IgG

Purification

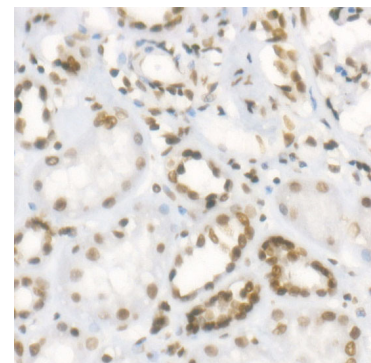
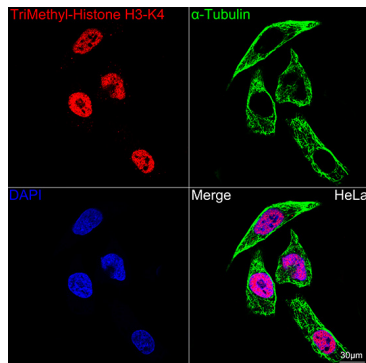
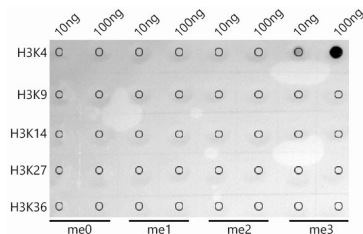
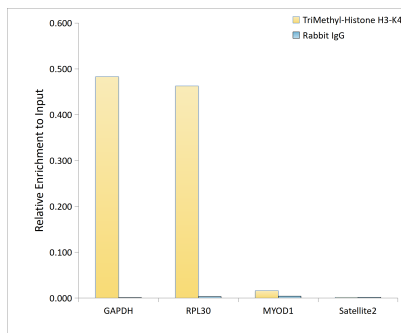
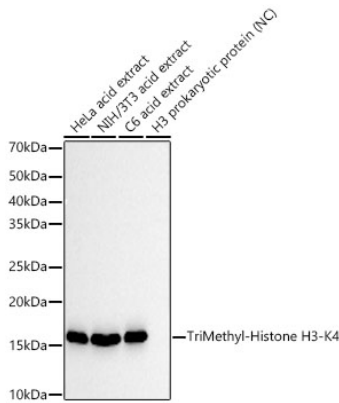
Affinity purification

Storage

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

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

Validation Data

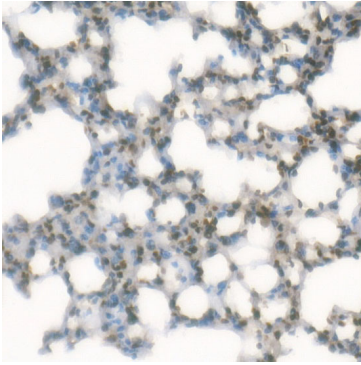


Dot-blot analysis of all sorts of peptides using TriMethyl-Histone H3-K4 Rabbit mAb antibody (A22225) at 1:30000 dilution.

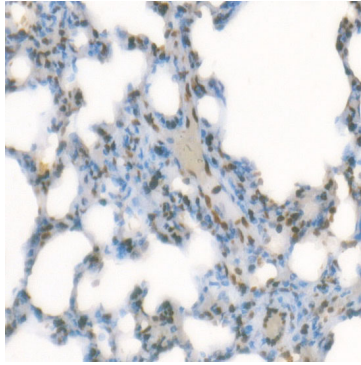
Confocal imaging of HeLa cells using TriMethyl-Histone H3-K4 Rabbit mAb (A22225, dilution 1:200) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.

Immunohistochemistry analysis of paraffin-embedded human kidney using TriMethyl-Histone H3-K4 Rabbit mAb (A22225) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Validation Data



Immunohistochemistry analysis of paraffin-embedded mouse lung using TriMethyl-Histone H3-K4 Rabbit mAb (A22225) at dilution of 1:100(40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat lung using TriMethyl-Histone H3-K4 Rabbit mAb (A22225) at dilution of 1:100(40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.