

TriMethyl-Histone H3-K4 Rabbit mAb

Catalog No.: RA8013

Basic Information

Observed MW

17KDa

Calculated MW

15kDa

Category

Primary antibody

Applications

IF/ICC,ChIP

Cross-Reactivity

Human,Mouse,Rat,Other (Wide Range)

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	1:10000 - 1:30000
WB	1:10000 - 1:30000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
ChIP	1:50 - 1:200

Product Information

Source	Rabbit
Isotype	IgG
Purification	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles.
Storage Buffer	PBS with 0.05% proclin300,0.05% BSA, 50% glycerol,pH7.3.

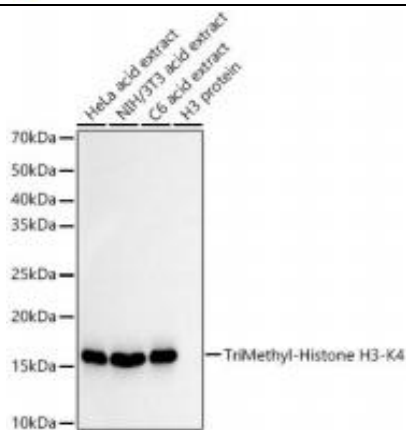
Note: For in vitro research use only, not for diagnostic or therapeutic use, This product is not a medical device.
注意:在体外研究使用, 不用于诊断或治疗用途, 本产品不是医疗装置!

Web:www.ruisbio.com

Tel:400-689-7068

Sales: sales@ruisbio.com



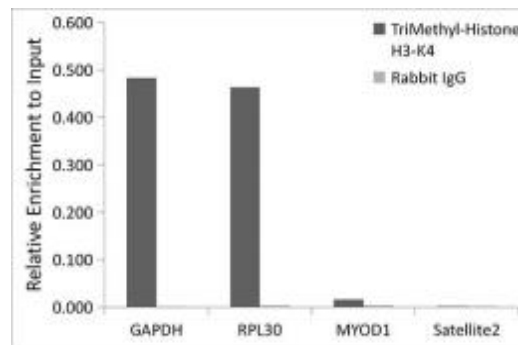


Western blot analysis of various lysates, using TriMethyl-Histone H3-K4 antibody at 1:30000 dilution.

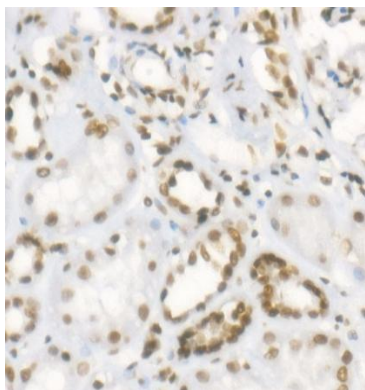
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit.

Exposure time: 10s.



Chromatin immunoprecipitation analysis of extracts of HeLa cells, using TriMethyl-Histone H3-K4 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.



Immunohistochemistry of paraffin-embedded human kidney using TriMethyl-Histone H3-K4 Rabbit mAb 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.

