

DiMethyl-Histone H3-K9 Rabbit pAb

Catalog No.: RA8016

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

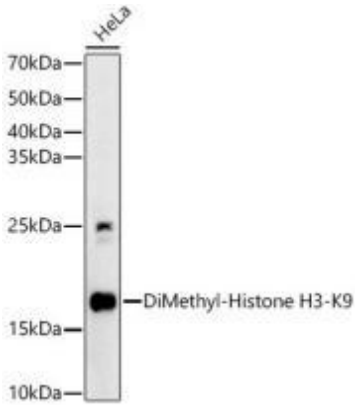
WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IFICC	1:50 - 1:200
ChIP	1:20 - 1:100

Product Information

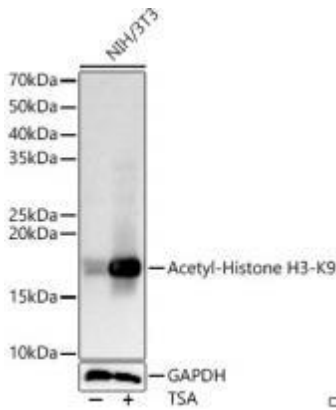
Source	Rabbit
Isotype	IgG
Purification	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles.
Storage Buffer	PBS with 0.05% proclin300,0.05% BSA, 50% glycerol,pH7.3.

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!

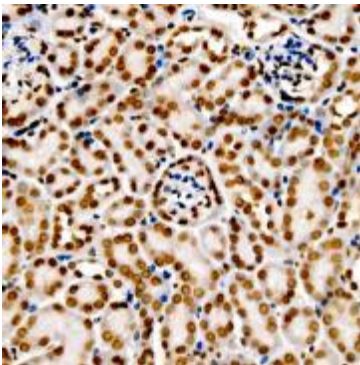




Western blot analysis of HeLa, using DiMethyl-Histone H3-K9 antibody (RA8016) at 1:600 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit .
Exposure time: 60s.



Western blot analysis of NIH/3T3, using Acetyl-Histone H3-K9 Rabbit pAb (RA8016) at 1: 1000 dilution. NIH/3T3 cells were treated by TSA (1 uM) at 37°C for 18 hours. 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 . Exposure time: 10s.



Immunohistochemistry of paraformaldehyde-embedded mouse kidney using DiMethyl-Histone H3-K9 Rabbit pAb (RA8016) at dilution of 1:20 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

