Product Name: TriMethyl-Histone H3 (Lys9) Rabbit Monoclonal Antibody
Catalog #: AMRe03911

Summary

Production Name	TriMethyl-Histone H3 (Lys9) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IHC-F,IHC-P,ICC/IF
Reactivity	Human, Mouse, Rat

Performance

Conjugation	Unconjugated
Modification	TriMethylated
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Purification	Affinity Purification

Immunogen

Gene Name	H3-4
Alternative Names	H3K9me3; H3 histone; HIST1H3A; Histone cluster 1; H3a
Gene ID	8350
SwissProt ID	P68431.

Application

Dilution Ratio	WB: 1:500-1:1000 IHC: 1:50-1:100 IF: 1:50-1:200
Molecular Weight	Calculated MW:15 kDa;Observed MW: 17 kDa

Background

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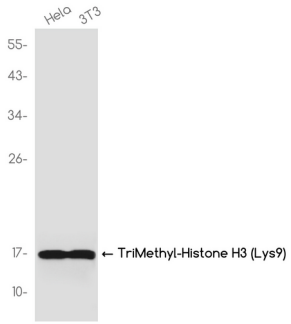
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber 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 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.

Research Area

Epigenetics and Nuclear Signaling

Image Data



Western blot analysis of TriMethyl-Histone H3 (Lys9) in HeLa, 3T3 lysates using TriMethyl-Histone H3 (Lys9) antibody.

Note

For research use only.