

**Product Name: MonoMethyl-Histone H3 (Lys4) Rabbit
Polyclonal Antibody
Catalog #: APRab00958**



Summary

Production Name	MonoMethyl-Histone H3 (Lys4) Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,IHC-F,IHC-P,ICC/IF
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Methylated
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	H3-4
Alternative Names	H3K4me; H3 histone; HIST1H3A; Histone cluster 1; H3a
Gene ID	8290
SwissProt ID	Q16695

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200
Molecular Weight	Calculated MW: 16 kDa; Observed MW: 16 kDa

Background

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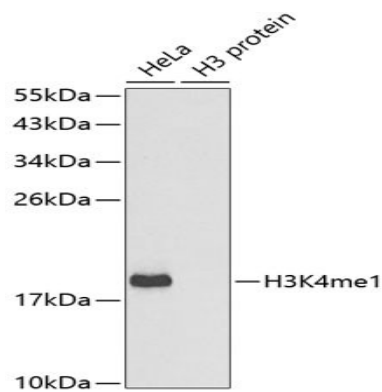


Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber 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 MonoMethyl-Histone H3 (Lys4) in various cell lines lysates using MonoMethyl-Histone H3-K4 antibody.

Note

For research use only.