
Product Name: DiMethyl-Histone H3 (Lys4) Rabbit Monoclonal Antibody**Catalog #: AMRe87485**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,FC,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ICC/IF 1:500-1:1000,FC 1:20-1:100,IP 1:20-1:50
Molecular Weight	Calculated MW:15 kDa; Observed MW:17 kDa

Antigen Information

Gene Name	DiMethyl-Histone H3 (Lys4)
Alternative Names	H3K4me; H3 histone; HIST1H3A; Histone cluster 1; H3a
Gene ID	8356
SwissProt ID	P68431
Immunogen	A synthetic methyl-peptide corresponding to residues surrounding Lys4 of human Histone H3

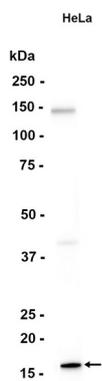
Background

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 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

Image Data



Western blot analysis of extracts from HeLa cells using DiMethyl-Histone H3 (Lys4) Rabbit Monoclonal Antibody at 1:1000.