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**Product Name: DiMethyl-Histone H3 (Lys4) Rabbit Monoclonal Antibody****Catalog #: AMRe87486**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.5mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	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.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:200-1:2000,ICC/IF 1:200-1:500
<b>Molecular Weight</b>	Calculated MW:15 kDa; Observed MW:17 kDa

**Antigen Information**

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

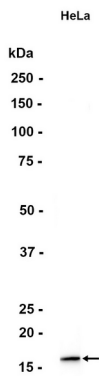
**Background**

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.