

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

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## Summary

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

## Performance

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

## Immunogen

<b>Gene Name</b>	H3-4
<b>Alternative Names</b>	H3K9me3; H3 histone; HIST1H3A; Histone cluster 1; H3a
<b>Gene ID</b>	8350
<b>SwissProt ID</b>	P68431

## Application

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

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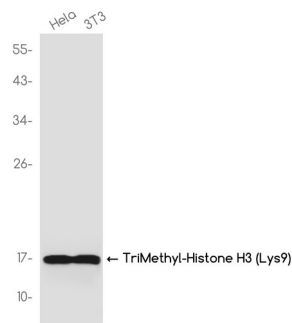
## Background

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

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.