

**Product Name: DiMethyl-Histone H3 (Lys27) Mouse Monoclonal Antibody****Catalog #: AMM84831**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,ICC,IP
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<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>	Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,ICC 1:50-1:200,IP 1:10-1:20
<b>Molecular Weight</b>	Calculated MW: 15 kDa; Observed MW: 15 kDa

**Antigen Information**

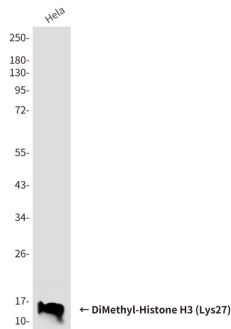
<b>Gene Name</b>	DiMethyl-Histone H3 (Lys27)
<b>Alternative Names</b>	H3K27me2; H3 histone; HIST1H3A; Histone cluster 1; H3a
<b>Gene ID</b>	8350.0
<b>SwissProt ID</b>	P68431
<b>Immunogen</b>	Synthetic Peptide of Histone H3 (Di Methyl Lys27)

**Background**

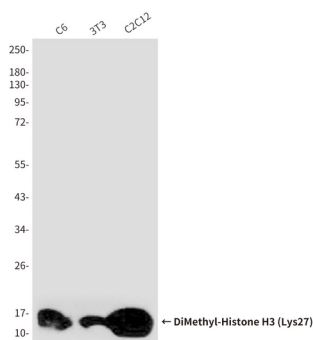
H3 Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability.

## Research Area

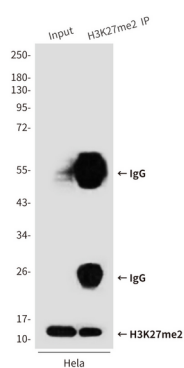
## Image Data



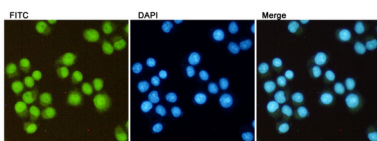
Western blot analysis of DiMethyl-Histone H3 (Lys27) in HeLa, rat heart, mouse heart, HUVEC, Jurkat lysates using DiMethyl-Histone H3 (Lys27) antibody.



Western blot analysis of DiMethyl-Histone H3 (Lys27) in C6, 3T3, C2C12 lysates using DiMethyl-Histone H3 (Lys27) antibody



Immunoprecipitation analysis of DiMethyl-Histone H3 (Lys27) in HeLa lysates using DiMethyl-Histone H3 (Lys27) antibody.



Immunocytochemistry analysis of DiMethyl-Histone H3 (Lys27) in HeLa cells using DiMethyl-Histone H3 (Lys27) antibody.