

**Product Name: MonoMethyl-Histone H3 (Lys79) (4A1)**  
**Mouse Monoclonal Antibody**  
**Catalog #: AMM03580**

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## Summary

<b>Production Name</b>	MonoMethyl-Histone H3 (Lys79) (4A1) Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Methylated
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<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 PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	H3C1
<b>Alternative Names</b>	H3K79me; 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
<b>Molecular Weight</b>	Calculated MW: 15 kDa; Observed MW: 15 kDa

## Background

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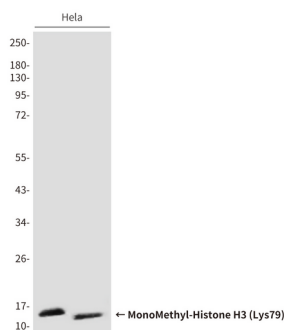


H3 Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability.

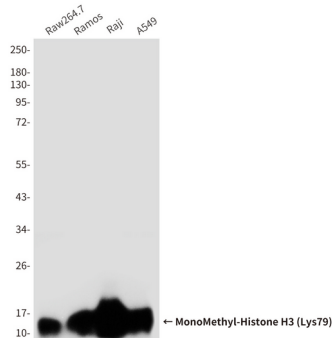
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of MonoMethyl-Histone H3 (Lys79) in HeLa lysates using MonoMethyl-Histone H3 (Lys79) (4A1) antibody.



Western blot analysis of MonoMethyl-Histone H3 (Lys79) (4A1) in Raw264.7, Ramos, Raji, A549 lysates using MonoMethyl-Histone H3 (Lys79) (4A1) antibody.

## Note

For research use only.