

**Product Name: Acetyl-Histone H3 (Lys14) Rabbit  
Monoclonal Antibody  
Catalog #: AMRe03273**

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## Summary

<b>Production Name</b>	Acetyl-Histone H3 (Lys14) Rabbit Monoclonal Antibody
<b>Description</b>	Recombinant Rabbit Monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC/IF,IP
<b>Reactivity</b>	Human,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Acetylated
<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>	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>	H3C1
<b>Alternative Names</b>	H3K14ac; H3/j; H3C1; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FJ; H3C10; H3C11; HIST1H3J
<b>Gene ID</b>	8350
<b>SwissProt ID</b>	P68431

## Application

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

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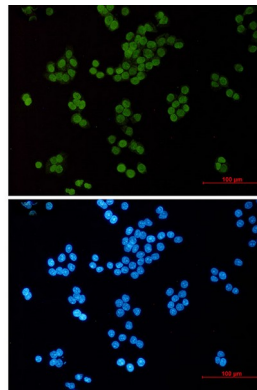
## Background

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.

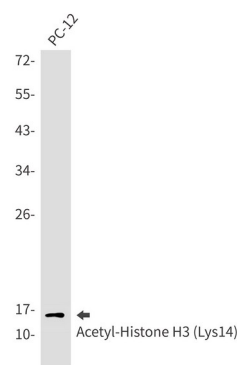
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



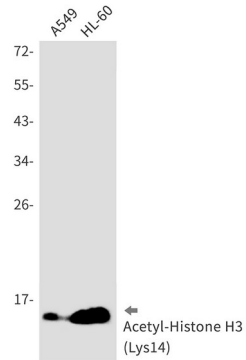
Immunocytochemistry analysis of Acetyl-Histone H3 (Lys14) (green) in HeLa using Acetyl-Histone H3 (Lys14) antibody, and DAPI (blue).



Western blot analysis of Acetyl-Histone H3 (Lys14) in PC-12 lysates using Acetyl-Histone H3 (Lys14) antibody. Observed band size: 15 kDa.

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Western blot analysis of Acetyl-Histone H3 (Lys14) in A549, HL-60 lysates using Acetyl-Histone H3 (Lys14) antibody

**Note**

For research use only.