

**Product Name: Acetyl-Histone H3 (Lys4) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe03275**

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## Summary

|                        |                                                     |
|------------------------|-----------------------------------------------------|
| <b>Production Name</b> | Acetyl-Histone H3 (Lys4) Rabbit Monoclonal Antibody |
| <b>Description</b>     | Rabbit Monoclonal antibody                          |
| <b>Host</b>            | Rabbit                                              |
| <b>Application</b>     | WB, ICC/IF                                          |
| <b>Reactivity</b>      | Human, Mouse                                        |

## Performance

|                     |                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                                         |
| <b>Modification</b> | Acetylated                                                                                           |
| <b>Isotype</b>      | IgG                                                                                                  |
| <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>       | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein |
| <b>Purification</b> | Affinity Purification                                                                                |

## Immunogen

|                          |                                                                                      |
|--------------------------|--------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | H3C1                                                                                 |
| <b>Alternative Names</b> | H3K4ac; 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            |
| <b>Molecular Weight</b> | Calculated MW: 15 kDa; Observed MW: 15 kDa |

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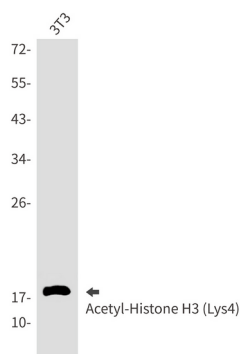
## Background

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.

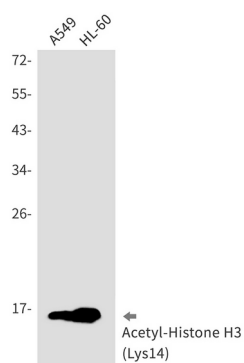
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



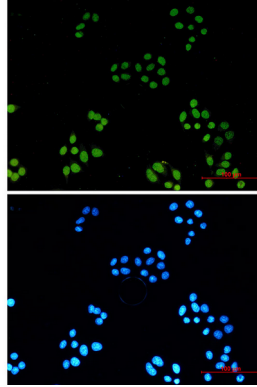
Western blot analysis of Acetyl-Histone H3 (Lys4) in 3T3 lysates using Acetyl-Histone H3 (Lys4) antibody.



Western blot analysis of Acetyl-Histone H3 (Lys4) in A549, HL-60 lysates using Acetyl-Histone H3 (Lys4) antibody.

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Immunocytochemistry analysis of Acetyl-Histone H3 (Lys4) (green) in HeLa using Acetyl-Histone H3 (Lys4) antibody, and DAPI (blue)

### **Note**

For research use only.