

# Acetyl-Histone H3-K56 Rabbit mAb

Catalog No.: RA8031

## Basic Information

### Observed MW

17kDa

### Calculated MW

16kDa

### Category

Primary antibody

### Applications

IF/ICC,ChIP

### Cross-Reactivity

Human,Mouse

## Background

The Acetyl-Histone H3-K56 Rabbit mAb (monoclonal antibody) is a specific antibody designed to recognize and bind to the acetylated lysine 56 on histone H3. This modification on histone H3, specifically the acetylation of lysine 56 (H3-K56ac), is a post-translational modification that plays a critical role in DNA repair, chromatin remodeling, and the regulation of gene expression.

## Recommended Dilutions

IF/ICC	5 µg/mL
Array	1:20000
WB	1:500
ChIP	5 µg/1x10 <sup>6</sup> cells
ELISA	1:500
ChIP-Seq	Assay dependant

## Product Information

Source	Rabbit
Isotype	IgG
Purification	Antigen affinity chromatography
Storage Conditions	-80° C
Storage buffer	PBS, pH 7.4

Note: For in vitro research use only, not for diagnostic or therapeutic use, This product is not a medical device.

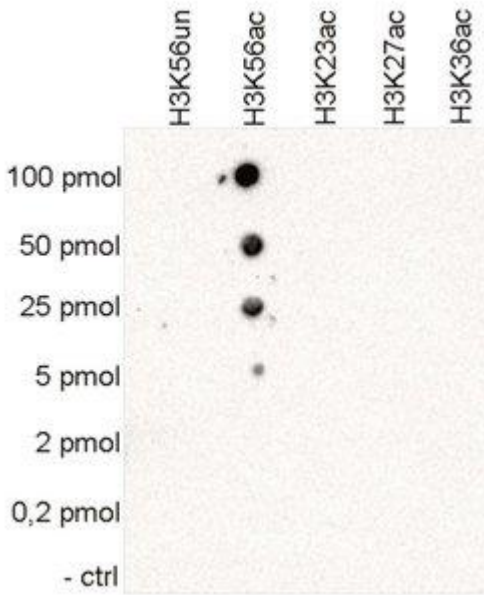
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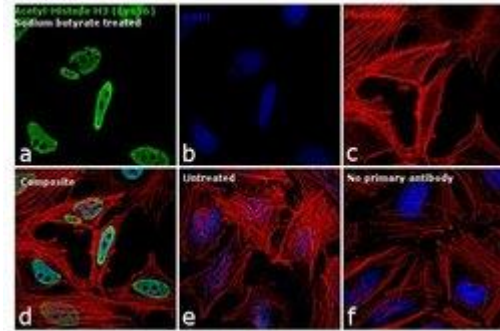
Sales: sales@ruisbio.com





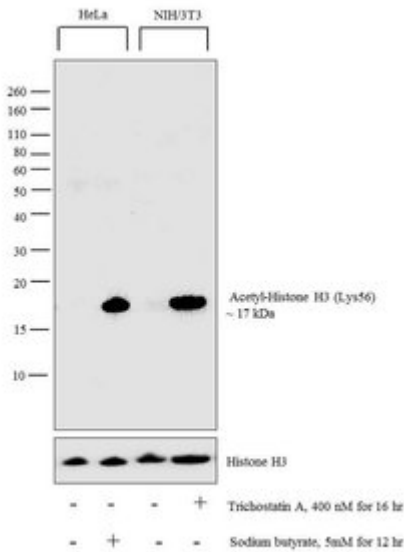
**H3K56ac Antibody**

A Dot Blot of the specific peptide and other relevant peptides when tested using Acetyl-Histone H3 (Lys56) antibody (Product # PA5-40101), showed that AcetylHistone H3 (Lys56) was specifically recognized by the antibody. ChIP Peptide array validation info.



**H3K56ac Antibody**

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Immunofluorescence analysis of Acetyl-Histone H3 (Lys56) using Acetyl-Histone H3 (Lys56) antibody, shows increased expression of AcetylHistone H3 (Lys56) upon sodium butyrate treatment in HeLa cell line. Cell treatment validation info.



**H3K56ac Antibody**

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot analysis of Acetyl-Histone H3 (Lys56) using Acetyl-Histone H3 (Lys56) antibody, shows increased expression of Acetyl-Histone H3 (Lys56) upon sodium butyrate treatment in HeLa cell line and trichostatin A treatment in NIH/3T3 cell line.

Cell treatment validation info.

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