

# Acetyl-Histone H3 (Lys9) Polyclonal Antibody

Catalog Number:E-AB-20203



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

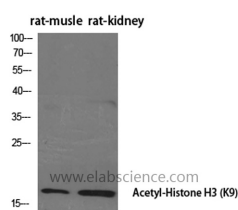
## Description

<b>Reactivity</b>	Human,Mouse,Rat
<b>Immunogen</b>	Synthesized peptide derived from human Histone H3 around the acetylation site of K9
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Formulation</b>	PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4

## Applications Recommended Dilution

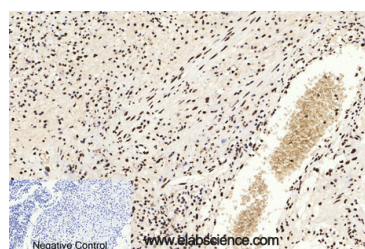
<b>WB</b>	1:500-2000
<b>IHC</b>	1:50-300
<b>IF</b>	1:50-300

## Data

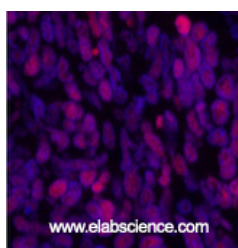


Western Blot analysis of Rat muscle, kidney using Acetyl-Histone H3 (Lys9) Polyclonal Antibody at dilution of 1:2000.

**Observed Mw:17kDa**  
**Calculated Mw:15kDa**



Immunohistochemistry of paraffin-embedded Human appendix tissue using Acetyl-Histone H3 (Lys9) Polyclonal Antibody at dilution of 1:200.



Immunofluorescence analysis of Human lung cancer tissue using Acetyl-Histone H3 (Lys9) Polyclonal Antibody at dilution of 1:200.

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the

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cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

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