

Datasheet for ABIN6254904  
**anti-Histone 3 antibody (H3K9ac)**



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6 Images

## Overview

Quantity:	100 µL
Target:	Histone 3 (H3)
Binding Specificity:	H3K9ac
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA, Immunocytochemistry (ICC)

## Product Details

Immunogen:	A synthesized peptide derived from human Acetyl-Histone H3 around the phosphorylation site of Lys9
Isotype:	IgG
Specificity:	Acetyl-Histone H3(Lys9) Antibody detects endogenous levels of Acetyl-Histone H3 only when phosphorylated at Lys9
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	Immunogen affinity purified

## Target Details

Target:	Histone 3 (H3)
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Target Details

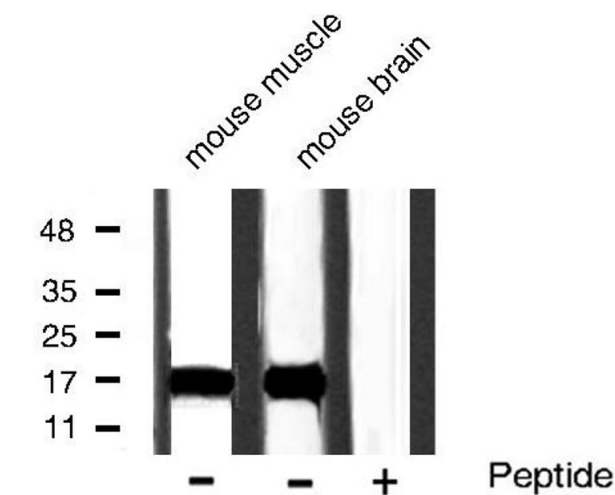
Alternative Name:	Histone H3 ( <a href="#">H3 Products</a> )
Background:	<p>Description: Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.</p> <p>Gene: HIST1H3A, HIST1H3B, HIST1H3C, HIST1H3D, HIST1H3E, HIST1H3F, HIST1H3G, HIST1H3H, HIST1H3I, HIST1H3J</p>
Molecular Weight:	17kDa
Gene ID:	8, 350, 835
UniProt:	<a href="#">P68431</a> , <a href="#">Q71DI3</a> , <a href="#">P84243</a>

Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200 IF/ICC 1:100-1:500
Restrictions:	For Research Use only

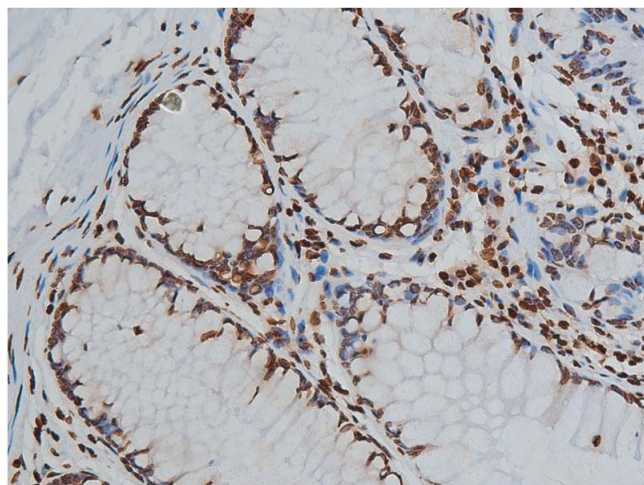
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C.Stable for 12 months from date of receipt
Expiry Date:	12 months



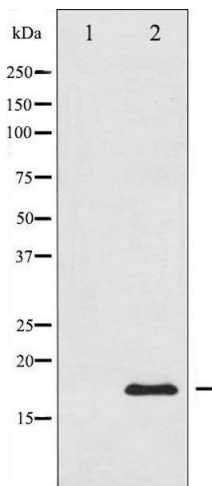
#### Western Blotting

**Image 1.** Western blot analysis of Acetyl-Histone H3 phosphorylation expression in mouse muscle and mouse brain tissue lysates, The lane on the right is treated with the antigen-specific peptide.



#### Immunohistochemistry

**Image 2.** ABIN6267568 at 1/200 staining human colon tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



#### Western Blotting

**Image 3.** Western blot analysis of Acetyl-Histone H3 phosphorylation expression in TSA treated RAW264.7 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN6254904.