

Datasheet for ABIN7139175  
**anti-HIST1H3A antibody (acLys27)**

## 5 Images

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## Overview

Quantity:	100 µL
Target:	HIST1H3A
Binding Specificity:	acLys27
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H3A antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP), Immunocytochemistry (ICC), Immunoprecipitation (IP)

## Product Details

Immunogen:	Peptide sequence around site of Acetyl-Lys (27) derived from Human Histone H3.1
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

## Target Details

Target:	HIST1H3A
Alternative Name:	HIST1H3A ( <a href="#">HIST1H3A Products</a> )
Background:	Background: Core component of nucleosome. Nucleosomes wrap and compact DNA into

## Target Details

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.

Aliases: H3 histone family member E pseudogene antibody, H3 histone family, member A antibody, H3/A antibody, H31\_HUMAN antibody, H3F3 antibody, H3FA antibody, Hist1h3a antibody, HIST1H3B antibody, HIST1H3C antibody, HIST1H3D antibody, HIST1H3E antibody, HIST1H3F antibody, HIST1H3G antibody, HIST1H3H antibody, HIST1H3I antibody, HIST1H3J antibody, HIST3H3 antibody, histone 1, H3a antibody, Histone cluster 1, H3a antibody, Histone H3 3 pseudogene antibody, Histone H3.1 antibody, Histone H3/a antibody, Histone H3/b antibody, Histone H3/c antibody, Histone H3/d antibody, Histone H3/f antibody, Histone H3/h antibody, Histone H3/i antibody, Histone H3/j antibody, Histone H3/k antibody, Histone H3/l antibody

UniProt: [P68431](#)

## Application Details

Application Notes: Recommended dilution: WB:1:100-1:1000, ICC:1:10-1:100, IF:1:1-1:10, IP:1:200-1:2000,

Restrictions: For Research Use only

## Handling

Format: Liquid

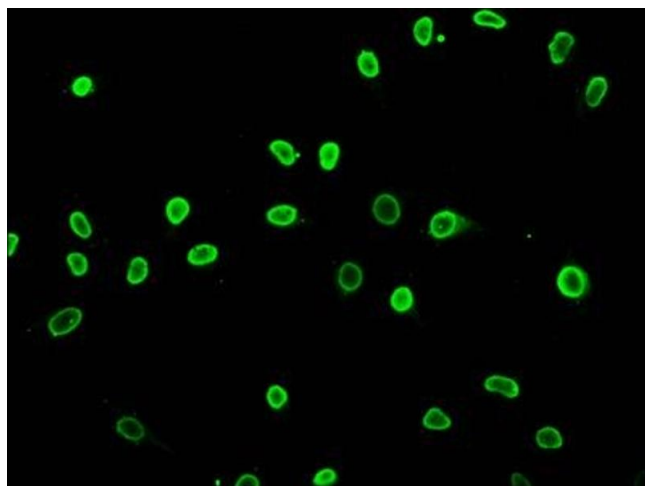
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

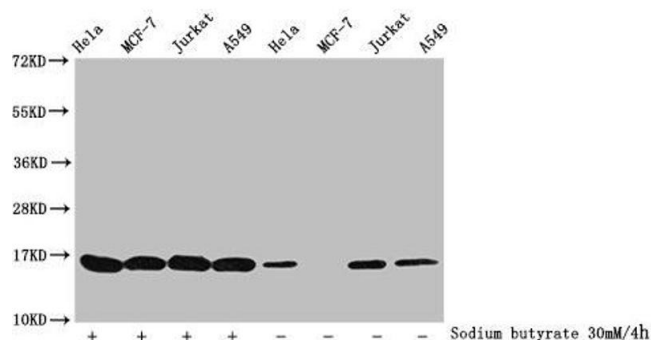
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



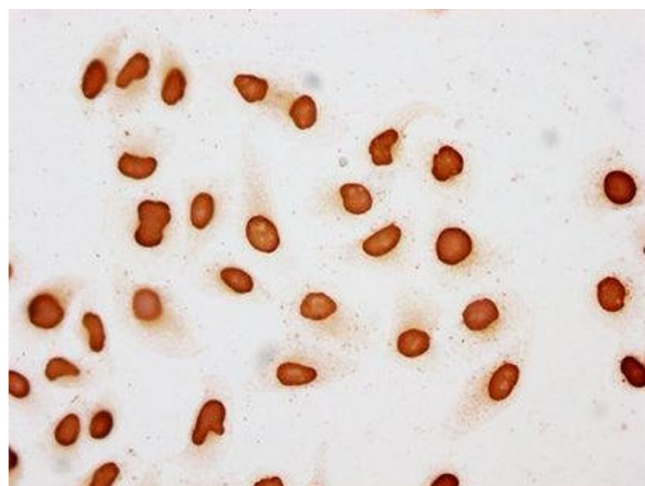
### Immunofluorescence

**Image 1.** Immunofluorescence staining of HeLa cells (treated with 30mM sodium butyrate for 4h) with ABIN7139175 at 1:5, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



### Western Blotting

**Image 2.** Western Blot Detected samples: HeLa whole cell lysate, MCF-7 whole cell lysate, Jurkat whole cell lysate, A549 whole cell lysate, Untreated (-) or treated (+) with 30 mM sodium butyrate for 4h All lanes: HIST1H3A antibody at 1:100 Secondary Goat polyclonal to rabbit IgG at 1/40000 dilution Predicted band size: 16 kDa Observed band size: 16 kDa



### Immunocytochemistry

**Image 3.** Immunocytochemistry analysis of ABIN7139175 diluted at 1:10 and staining in HeLa cells (treated with 30mM sodium butyrate for 4h) performed on a Leica Bond™ system. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7139175.