

Datasheet for ABIN7139181  
**anti-H2AFZ antibody (acLys4)**

## 5 Images

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## Overview

Quantity:	100 µL
Target:	H2AFZ
Binding Specificity:	acLys4
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This H2AFZ antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Chromatin Immunoprecipitation (ChIP), Immunoprecipitation (IP)

## Product Details

Immunogen:	Peptide sequence around site of Acetyl-Lys (4) derived from Human Histone H2A.Z
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

## Target Details

Target:	H2AFZ
Alternative Name:	H2AFZ ( <a href="#">H2AFZ Products</a> )
Background:	Background: Variant histone H2A which replaces conventional H2A in a subset of

## Target Details

nucleosomes. 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. May be involved in the formation of constitutive heterochromatin. May be required for chromosome segregation during cell division.

Aliases: H2A histone family member Z antibody, H2A.z antibody, H2A/z antibody, H2afz antibody, H2AZ antibody, H2AZ\_HUMAN antibody, Histone H2A.Z antibody, MGC117173 antibody

UniProt: [P0C0S5](#)

Pathways: [Telomere Maintenance](#)

## Application Details

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

Restrictions: For Research Use only

## Handling

Format: Liquid

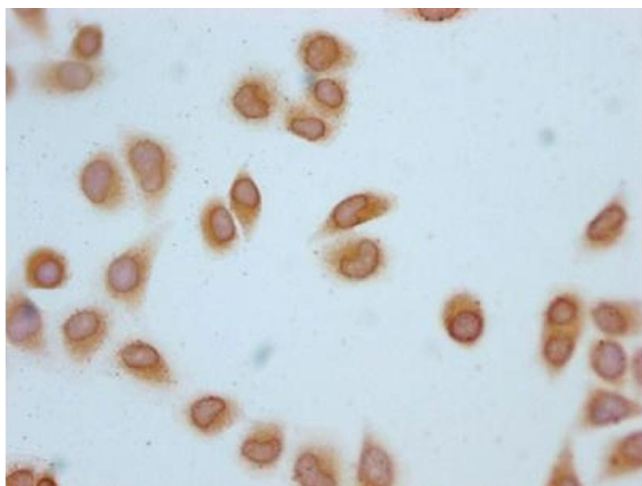
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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.



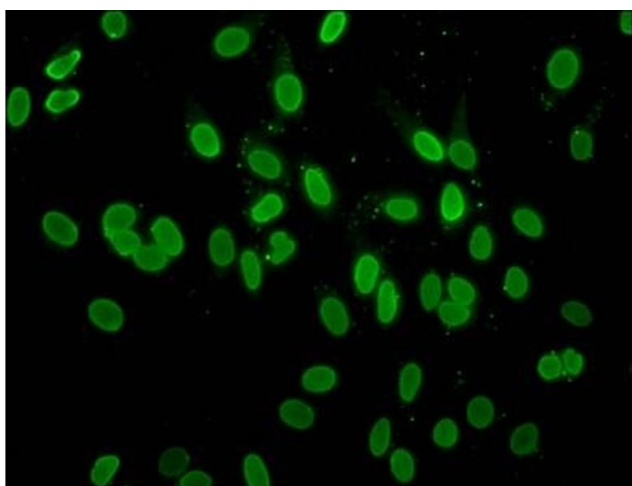
### Immunocytochemistry

**Image 1.** Immunocytochemistry analysis of ABIN7139181 diluted at 1:20 and staining in HeLa cells (treated with 30mM sodium butyrate for 4h) performed on a Leica Bond<sup>TM</sup> 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.



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: K562 whole cell lysate (treated by 30 mM sodium butyrate for 4h) All lanes: H2AFZ antibody at 1.06 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 14 kDa Observed band size: 14 kDa



### Immunofluorescence

**Image 3.** Immunofluorescence staining of HeLa cells with ABIN7139181 at 1:10, 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).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7139181.