

Datasheet for ABIN7139193
anti-H2AFZ antibody (acLys7)

5 Images

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Overview

Quantity:	100 µL
Target:	H2AFZ
Binding Specificity:	acLys7
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 (7) derived from Human Histone H2A.Z
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	H2AFZ
Alternative Name:	H2AFZ (H2AFZ Products)
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:1:20-1:200, IF:1:20-1:200, IP:1:200-1:2000,

Restrictions: For Research Use only

Handling

Format: Liquid

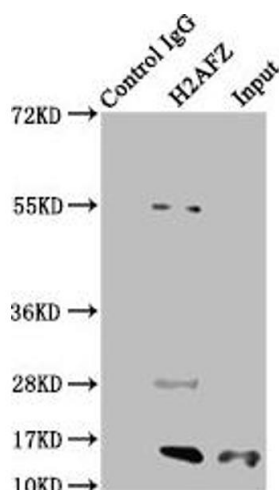
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

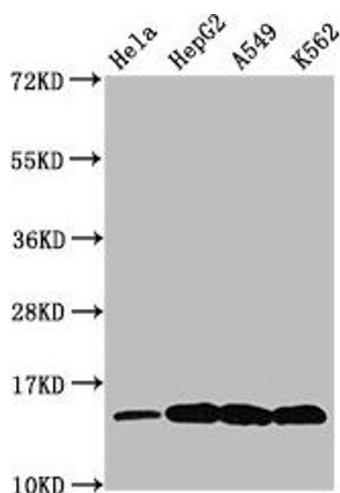
Storage: -20 °C,-80 °C

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



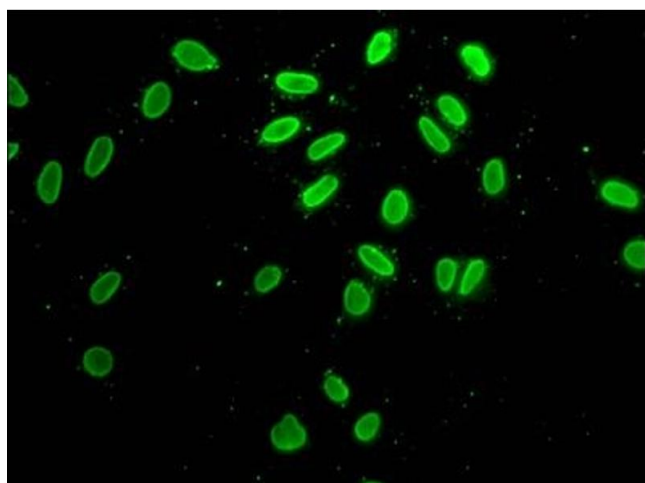
Western Blotting

Image 1. Immunoprecipitating H2AFZ in HepG2 whole cell lysate (treated with 30 mM sodium butyrate for 4h) Lane 1: Rabbit control IgG instead of ABIN7139193 in HepG2 whole cell lysate (treated with 30 mM sodium butyrate for 4h). For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: ABIN7139193 (3 µg) + HepG2 whole cell lysate (treated with 30 mM sodium butyrate for 4h) (500 µg) Lane 3: HepG2 whole cell lysate (treated with 30 mM sodium butyrate for 4h) (20 µg)



Western Blotting

Image 2. Western Blot Positive WB detected in: HeLa whole cell lysate, HepG2 whole cell lysate, A549 whole cell lysate, K562 whole cell lysate (All treated by 30 mM sodium butyrate for 4h) All lanes: H2AFZ antibody at 0.48 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 ABIN7139193 at 1:25, 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 ABIN7139193.