Datasheet for ABIN7139148

anti-H2AFZ antibody (acLys11)

3 Images

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Overview

Quantity:	100 µL
Target:	H2AFZ
Binding Specificity:	acLys11
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This H2AFZ antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	Peptide sequence around site of Acetyl-Lys (11) 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 nucleosomes. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility

Target Details

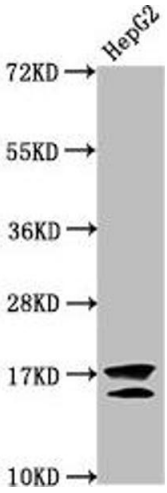
	to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, 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, IF:1:50-1:200,
Restrictions:	For Research Use only

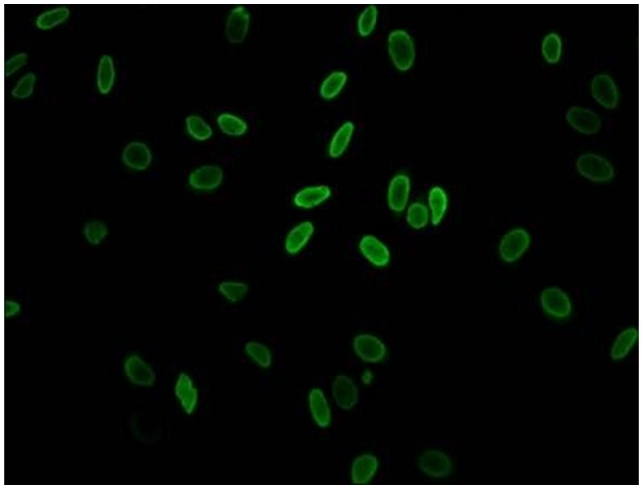
Handling

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.



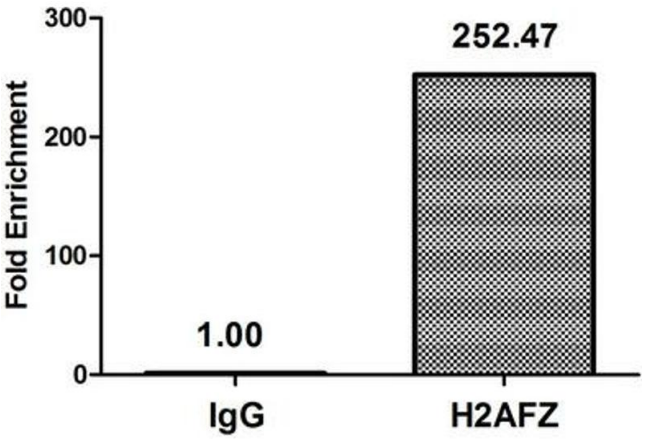
Western Blotting

Image 1. Western Blot Positive WB detected in: HepG2 whole cell lysate (treated with 30 mM sodium butyrate for 4h) All lanes: H2AFZ antibody at 1 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 14 kDa Observed band size: 14 kDa



Immunofluorescence

Image 2. Immunofluorescent analysis of Hela cells (sodium butyrate, 30 mM, 4h) using ABIN7139148 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry

Image 3. Chromatin Immunoprecipitation Hela (4*10 6 , treated with 30 mM sodium butyrate for 4h) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 8 µg anti-H2AFZ (ABIN7139148) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β-Globin promoter.