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Datasheet for ABIN7139176
anti-HIST1H4A antibody (acLys31)

4 Images

Overview

Quantity:	100 µL
Target:	HIST1H4A
Binding Specificity:	acLys31
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H4A antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP), Immunocytochemistry (ICC)

Product Details

Immunogen:	Peptide sequence around site of Acetyl-Lys (31) derived from Human Histone H4
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	HIST1H4A
Alternative Name:	HIST1H4A (HIST1H4A Products)
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: dJ160A22.1 antibody, dJ160A22.2 antibody, dJ221C16.1 antibody, dJ221C16.9 antibody, FO108 antibody, H4 antibody, H4.k antibody, H4/a antibody, H4/b antibody, H4/c antibody, H4/d antibody, H4/e antibody, H4/g antibody, H4/h antibody, H4/l antibody, H4/j antibody, H4/k antibody, H4/m antibody, H4/n antibody, H4/p antibody, H4_HUMAN antibody, H4F2 antibody, H4F2iii antibody, H4F2iv antibody, H4FA antibody, H4FB antibody, H4FC antibody, H4FD antibody, H4FE antibody, H4FG antibody, H4FH antibody, H4FI antibody, H4FJ antibody, H4FK antibody, H4FM antibody, H4FN antibody, H4M antibody, HIST1H4A antibody, HIST1H4B antibody, HIST1H4C antibody, HIST1H4D antibody, HIST1H4E antibody, HIST1H4F antibody, HIST1H4H antibody, HIST1H4I antibody, HIST1H4J antibody, HIST1H4K antibody, HIST1H4L antibody, HIST2H4 antibody, HIST2H4A antibody, Hist4h4 antibody, Histone 1 H4a antibody, Histone 1 H4b antibody, Histone 1 H4c antibody, Histone 1 H4d antibody, Histone 1 H4e antibody, Histone 1 H4f antibody, Histone 1 H4h antibody, Histone 1 H4i antibody, Histone 1 H4j antibody, Histone 1 H4k antibody, Histone 1 H4l antibody, Histone 2 H4a antibody, histone 4 H4 antibody, Histone H4 antibody, MGC24116 antibody

UniProt: [P62805](#)

Application Details

Application Notes: Recommended dilution: WB:1:100-1:1000, ICC:1:20-1:200, IF:1:10-1:100,

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

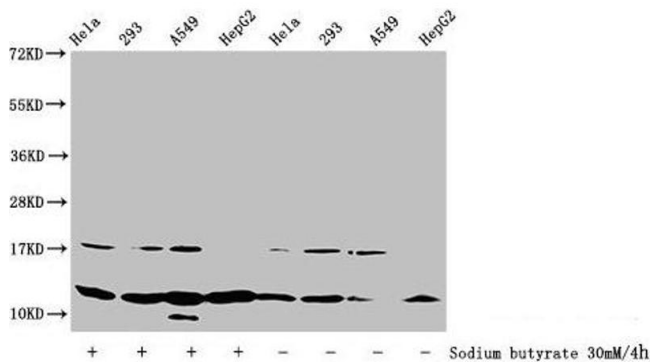
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



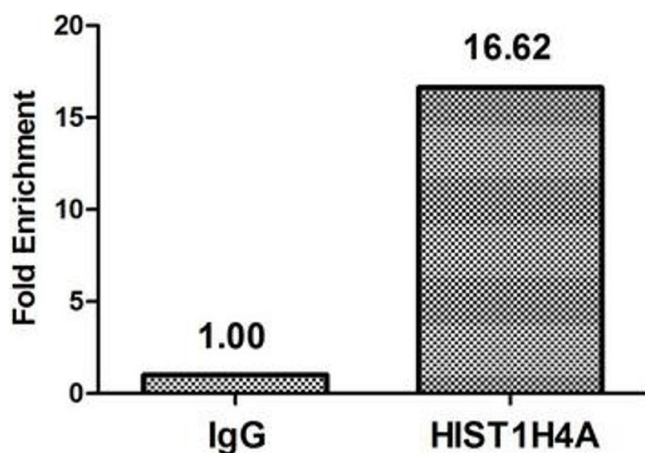
Immunocytochemistry

Image 1. Immunocytochemistry analysis of ABIN7139176 diluted at 1:25 and staining in HeLa cells (treated with 30mM sodium butyrate for 4h) performed on a Leica BondTM 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 Detected samples: HeLa whole cell lysate, 293 whole cell lysate, A549 whole cell lysate, HepG2 whole cell lysate, Untreated (-) or treated (+) with 30 mM sodium butyrate for 4h. All lanes: HIST1H4A antibody at 1:100. Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 12 kDa. Observed band size: 12 kDa.



Immunohistochemistry

Image 3. Chromatin Immunoprecipitation HeLa (10⁶, treated with 30 mM sodium butyrate for 4h) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5 µg anti-HIST1H4A (ABIN7139176) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β-Globin promoter.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7139176.