

Datasheet for ABIN7139201
anti-HIST1H1C antibody (acLys84)

3 Images

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Overview

Quantity:	100 µL
Target:	HIST1H1C
Binding Specificity:	acLys84
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H1C antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Chromatin Immunoprecipitation (ChIP), Immunocytochemistry (ICC)

Product Details

Immunogen:	Peptide sequence around site of Acetyl-Lys (84) derived from Human Histone H1.2
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	HIST1H1C
Alternative Name:	HIST1H1C (HIST1H1C Products)
Background:	Background: Histone H1 protein binds to linker DNA between nucleosomes forming the

Target Details

macromolecular structure known as the chromatin fiber. Histones H1 are necessary for the condensation of nucleosome chains into higher-order structured fibers. Acts also as a regulator of individual gene transcription through chromatin remodeling, nucleosome spacing and DNA methylation (By similarity).

Aliases: H1 histone family member 2 antibody, H1.a antibody, H12_HUMAN antibody, H1F2 antibody, H1s-1 antibody, HIST1H1C antibody, Histone 1 H1c antibody, Histone cluster 1 H1c antibody, Histone H1.2 antibody, Histone H1c antibody, Histone H1d antibody, Histone H1s-1 antibody, MGC3992 antibody

UniProt: [P16403](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

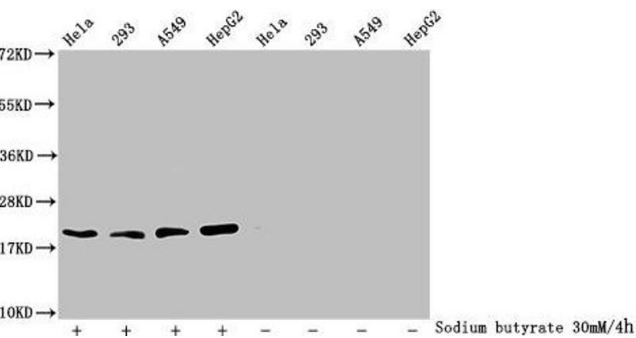
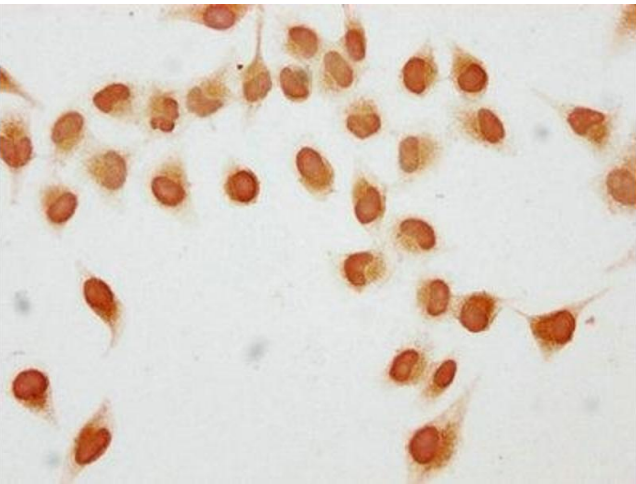
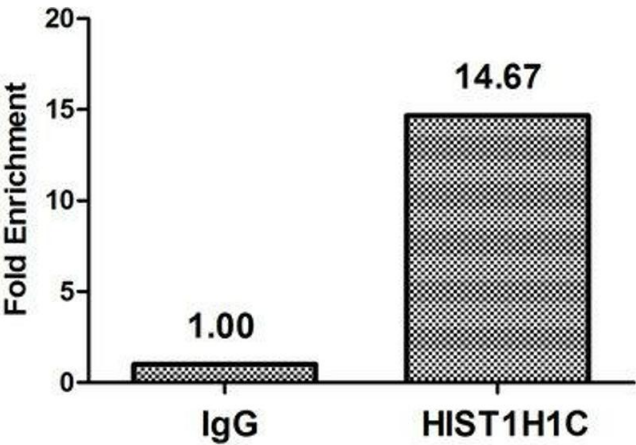
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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.



Immunohistochemistry

Image 1. Chromatin Immunoprecipitation HeLa (4×10^6 , treated with 30 mM sodium butyrate for 4h) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5 μ g anti-HIST1H1C (ABIN7139201) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β -Globin promoter.

Immunocytochemistry

Image 2. Immunocytochemistry analysis of ABIN7139201 diluted at 1:5 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 3. 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: HIST1H1C antibody at 2.6 μ g/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 22 kDa Observed band size: 22 kDa