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Datasheet for ABIN7139194 anti-HIST1H1C antibody (acLys74)

2 Images



Overview

Quantity:	100 μL
Target:	HIST1H1C
Binding Specificity:	acLys74
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H1C antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP)

Product Details

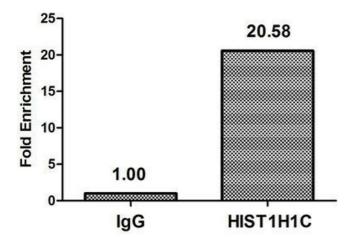
Immunogen:	Peptide sequence around site of Acetyl-Lys (74) derived from Human Histone H1.2
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

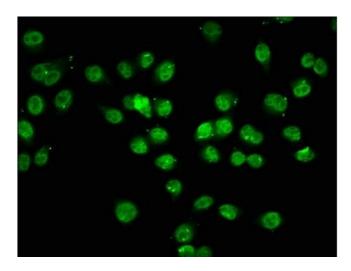
Target Details

Target:	HIST1H1C
Alternative Name:	HIST1H1C (HIST1H1C Products)
Background:	Background: Histone H1 protein binds to linker DNA between nucleosomes forming the
	macromolecular structure known as the chromatin fiber. Histones H1 are necessary for the

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	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: IF: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 (10 6 , treated with 30 mM sodium butyrate for 4h) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with $5 \mu g$ anti-HIST1H1C (ABIN7139194) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β -Globin promoter.

Immunofluorescence

Image 2. Immunofluorescence staining of Hela cells (treated with 30mM sodium butyrate for 4h) with ABIN7139194 at 1:7.5, 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-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).

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