Datasheet for ABIN7139612

anti-HIST1H1C antibody (meLys96)

3 Images

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Overview

Quantity:	100 µL
Target:	HIST1H1C
Binding Specificity:	meLys96
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H1C antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	Peptide sequence around site of Mono-methyl-Lys (96) 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 macromolecular structure known as the chromatin fiber. Histones H1 are necessary for the

Target Details

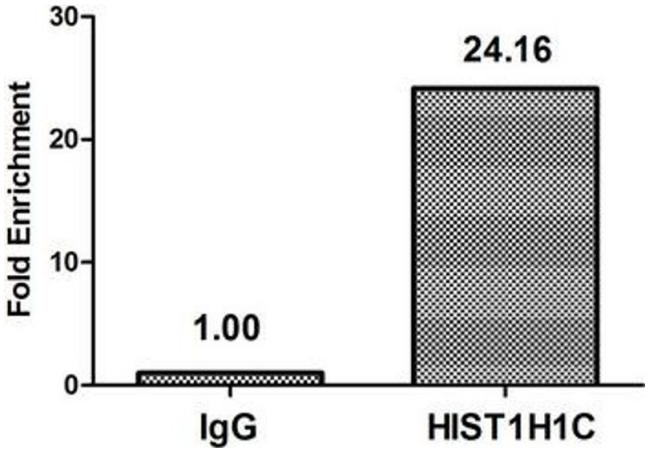
	condensation of nucleosome chains into higher-order structured fibers. Acts also as a regulator of individual gene transcription through chromatin remodeling, nucleosome spacing and DNA methylation (By similarity). Aliases: H1 histone family member 2 antibody, H1.a antibody, H12_HUMAN antibody, H1F2 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:1:1000-1:5000, IF:1:10-1:100,
Restrictions:	For Research Use only

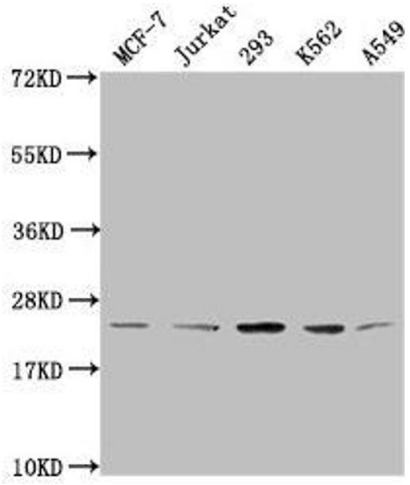
Handling

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.



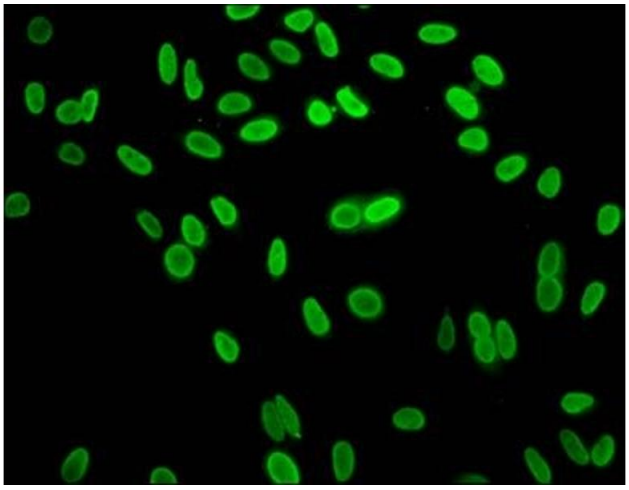
Immunohistochemistry

Image 1. Chromatin Immunoprecipitation Hela (4*10 6) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5 µg anti-HIST1H1C (ABIN7139612) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β-Globin promoter.



Western Blotting

Image 2. Western Blot Positive WB detected in: MCF-7 whole cell lysate, Jurkat whole cell lysate, 293 whole cell lysate, K562 whole cell lysate, A549 whole cell lysate All lanes: HIST1H1C antibody at 1:2000 Secondary Goat polyclonal to rabbit IgG at 1/40000 dilution Predicted band size: 22 kDa Observed band size: 22 kDa



Immunofluorescence

Image 3. Immunofluorescence staining of Hela cells with ABIN7139612 at 1:15, 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).