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Datasheet for ABIN7139623

anti-Histone H1.5 antibody (pThr154)

3 Images

Overview

Quantity:	100 µL
Target:	Histone H1.5 (HIST1H1B)
Binding Specificity:	pThr154
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H1.5 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	Peptide sequence around site of Phospho-Thr (154) derived from Human Histone H1.5
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	Histone H1.5 (HIST1H1B)
Alternative Name:	HIST1H1B (HIST1H1B 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 antibody, H1 histone family member 5 antibody, H1.5 antibody, H15 HUMAN antibody, H15_HUMAN antibody, H1B antibody, H1F5 antibody, H1s 3 antibody, Hist1h1b antibody, Histone 1 H1b antibody, Histone cluster 1 H1b antibody, Histone H1.5 antibody, Histone H1a antibody, Histone H1b antibody, Histone H1s 3 antibody, MGC126630 antibody, MGC126632 antibody

UniProt: [P16401](#)

Application Details

Application Notes: Recommended dilution: WB:1:200-1:2000, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

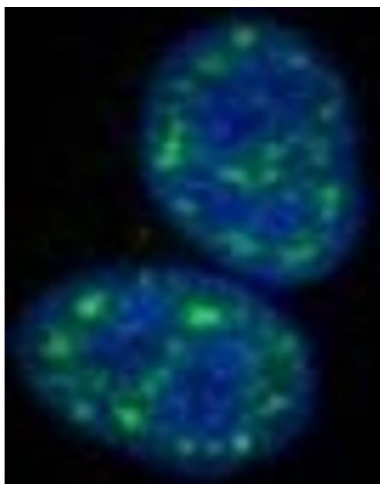
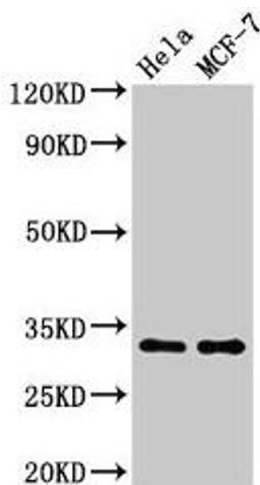
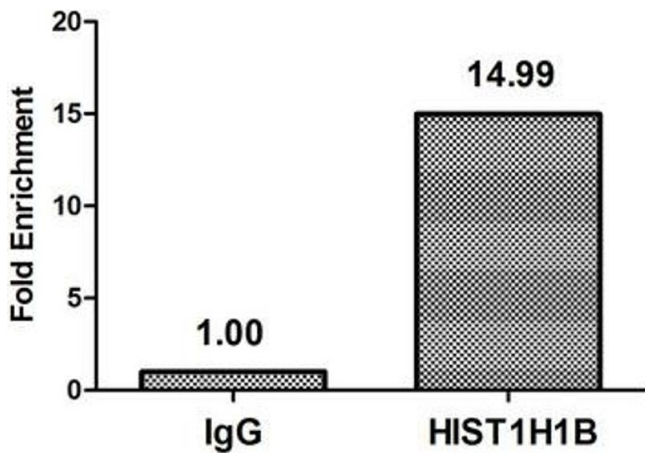
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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.



Immunohistochemistry

Image 1. Chromatin Immunoprecipitation HeLa (4×10^6 , treated with 100nM calyculin A for 60 min) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5 μ g anti-HIST1H1B (ABIN7139623) 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: HeLa whole cell lysate, MCF-7 whole cell lysate All lanes: HIST1H1B antibody at 1.5 μ g/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 23 kDa Observed band size: 32 kDa

Immunofluorescence

Image 3. Immunofluorescence staining of HepG2 cells with ABIN7139623 at 1:100, 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-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).