Datasheet for ABIN7139147

anti-Histone H2B antibody (acLys108)

3 Images

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Overview

Quantity:	100 µL
Target:	Histone H2B
Binding Specificity:	acLys108
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H2B antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	Peptide sequence around site of Acetyl-Lys (108) derived from Human Histone H2B type 1-C/E/F/G/I
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	Histone H2B
Alternative Name:	HIST1H2BC (Histone H2B Products)

Target Details

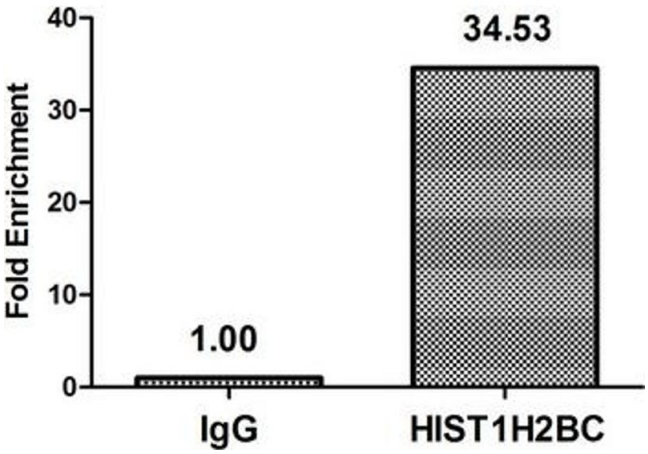
Background:	Background: Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. Aliases: H2BC4 antibody, H2BFL antibody, HIST1H2BC, antibody, H2BC6 antibody, H2BFH antibody, HIST1H2BE, antibody, H2BC7 antibody, H2BFG antibody, HIST1H2BF, antibody, H2BC8 antibody, H2BFA antibody, HIST1H2BG, antibody, H2BC10 antibody, H2BFK antibody, HIST1H2BIHistone H2B type 1-C/E/F/G/I antibody, Histone H2B.1 A antibody, Histone H2B.a antibody, H2B/a antibody, Histone H2B.g antibody, H2B/g antibody, Histone H2B.h antibody, H2B/h antibody, Histone H2B.k antibody, H2B/k antibody, Histone H2B.l antibody, H2B/l antibody
UniProt:	P62807

Application Details

Application Notes:	Recommended dilution: ICC:1:1-1:10, IF:1:1-1:10,
Restrictions:	For Research Use only

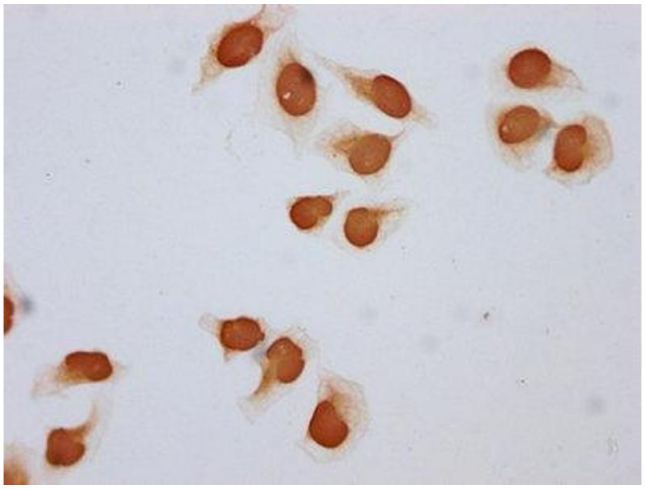
Handling

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.



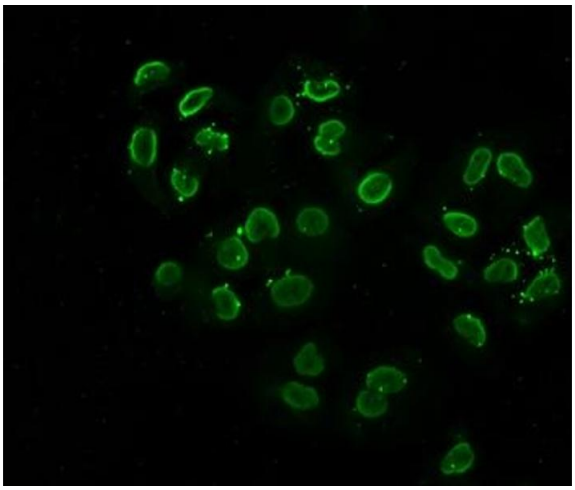
Immunohistochemistry

Image 1. Chromatin Immunoprecipitation Hela (4*10 6 , treated with 30 mM sodium butyrate for 4h) were treated with Benzanase, sonicated, and immunoprecipitated with 5 µg anti-HIST1H2BC (ABIN7139147) 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 ABIN7139147 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.



Immunofluorescence

Image 3. Immunofluorescence staining of Hela cells (treated with 30mM sodium butyrate for 4h) with ABIN7139147 at 1:2.5, 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).