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Datasheet for ABIN7139185
anti-HIST1H2BB antibody (acLys5)

3 Images

Overview

Quantity:	100 µL
Target:	HIST1H2BB
Binding Specificity:	acLys5
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H2BB antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	Peptide sequence around site of Acetyl-Lys (5) derived from Human Histone H2B type 1-B
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	HIST1H2BB
Alternative Name:	HIST1H2BB (HIST1H2BB Products)
Background:	Background: Core component of nucleosome. Nucleosomes wrap and compact DNA into

Target Details

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: HIST1H2BB antibody, H2BFFHistone H2B type 1-B antibody, Histone H2B.1 antibody, Histone H2B.f antibody, H2B/f antibody

UniProt: [P33778](#)

Pathways: [Telomere Maintenance](#)

Application Details

Application Notes: Recommended dilution: ICC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

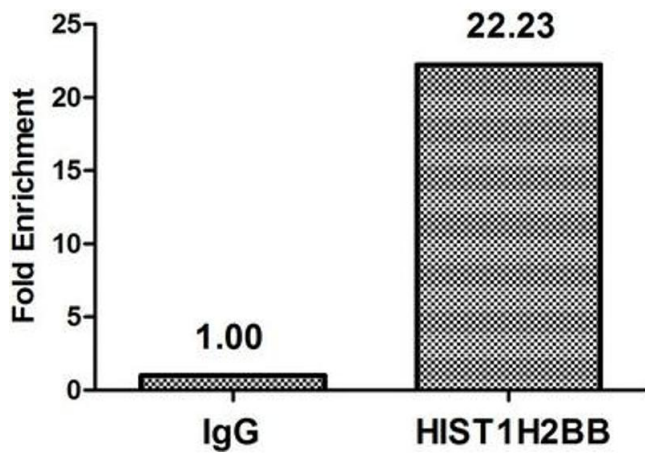
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

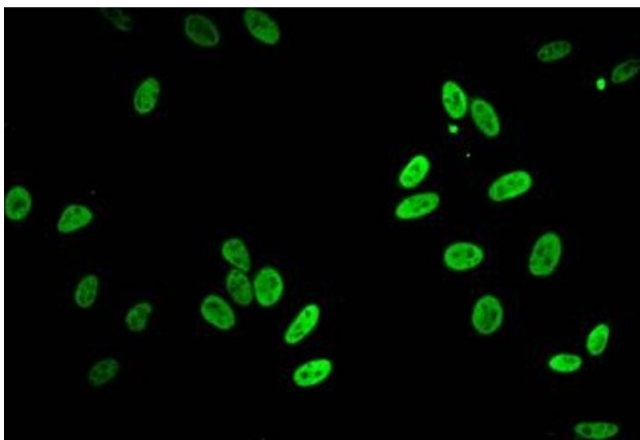
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



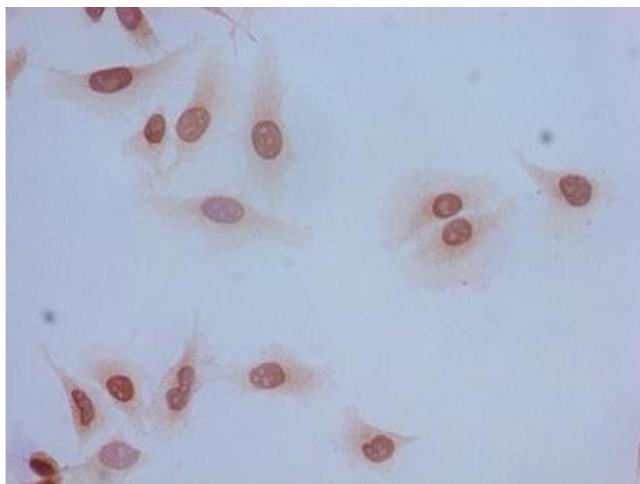
Immunohistochemistry

Image 1. Chromatin Immunoprecipitation HeLa (4×10^6 , treated with 30 mM sodium butyrate for 4h) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 8 μ g anti-HIST1H2BB (ABIN7139185) 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. Immunofluorescent analysis of HeLa cells using ABIN7139185 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunocytochemistry

Image 3. Immunocytochemistry analysis of HeLa cells using ABIN7139185 at dilution of 1:100