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Datasheet for ABIN7139170

anti-Histone H2B antibody (acLys20)

5 Images

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | Histone H2B |
| Binding Specificity: | acLys20 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Histone H2B antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Chromatin Immunoprecipitation (ChIP), Immunoprecipitation (IP) |

Product Details

| | |
|-------------------|---|
| Immunogen: | Peptide sequence around site of Acetyl-Lys (20) 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: WB:1:100-1:1000, ICC:1:10-1:100, IF:1:1-1:10, IP:1:200-1:2000,

Restrictions: For Research Use only

Handling

Format: Liquid

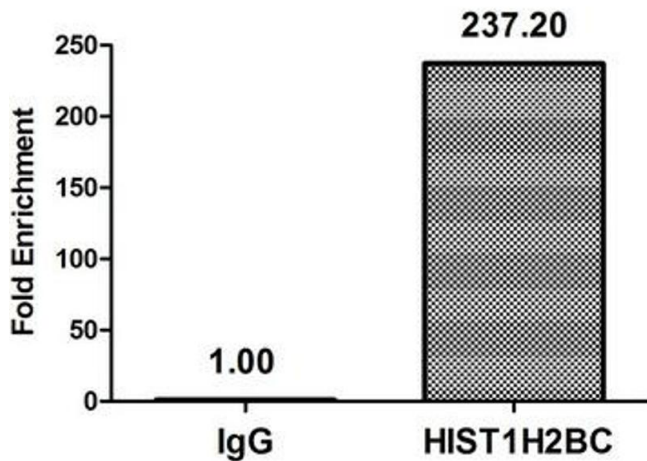
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

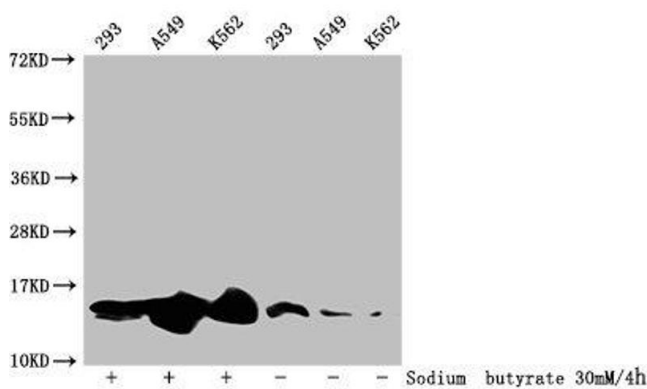
Storage: -20 °C,-80 °C

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



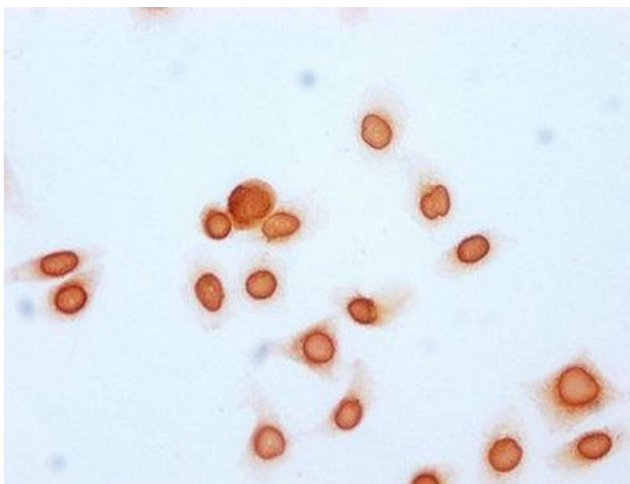
Immunohistochemistry

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 μ g anti-HIST1H2BC (ABIN7139170) 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 Detected samples: 293 whole cell lysate, A549 whole cell lysate, K562 whole cell lysate, Untreated (-) or treated (+) with 30 mM sodium butyrate for 4h All lanes: HIST1H2BC antibody at 1:100 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 14 kDa Observed band size: 14 kDa



Immunocytochemistry

Image 3. Immunocytochemistry analysis of ABIN7139170 diluted at 1:15 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.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7139170.