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Datasheet for ABIN7139174

## anti-Histone H2B antibody (acLys24)

### 3 Images

#### Overview

Quantity:	100 µL
Target:	Histone H2B
Binding Specificity:	acLys24
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H2B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunoprecipitation (IP)

#### Product Details

Immunogen:	Peptide sequence around site of Acetyl-Lys (24) 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 ( <a href="#">Histone H2B Products</a> )
Background:	Background: Core component of nucleosome. Nucleosomes wrap and compact DNA into

## Target Details

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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

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UniProt: [P62807](#)

## Application Details

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Application Notes: Recommended dilution: WB:1:100-1:1000, ICC:1:10-1:100, IP:1:200-1:2000,

Restrictions: For Research Use only

## Handling

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Format: Liquid

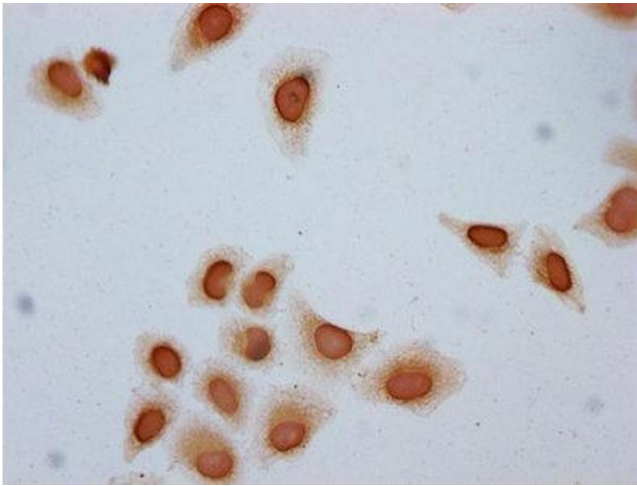
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

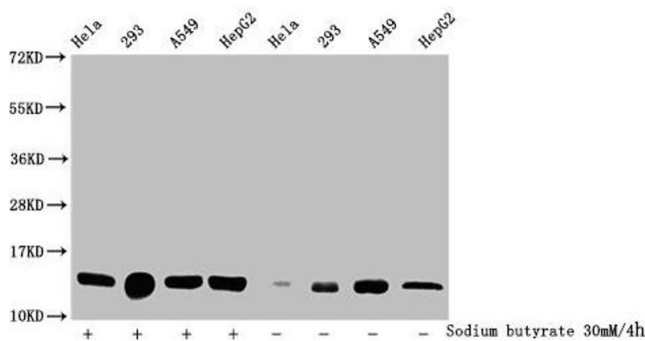
Storage: -20 °C,-80 °C

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



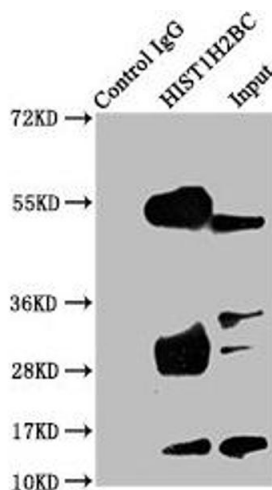
### Immunocytochemistry

**Image 1.** Immunocytochemistry analysis of ABIN7139174 diluted at 1:10 and staining in HeLa cells (treated with 30mM sodium butyrate for 4h) performed on a Leica Bond™ 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.



### Western Blotting

**Image 2.** Western Blot Detected samples: HeLa whole cell lysate, 293 whole cell lysate, A549 whole cell lysate, HepG2 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



### Western Blotting

**Image 3.** Immunoprecipitating HIST1H2BC in A549 whole cell lysate Lane 1: Rabbit control IgG instead of ABIN7139174 in A549 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: ABIN7139174 (5 µg) + A549 whole cell lysate (500 µg) Lane 3: A549 whole cell lysate (20 µg)