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Datasheet for ABIN7267731

## anti-Histone H2B antibody (acLys12)

### 7 Images

#### Overview

Quantity:	100 µL
Target:	Histone H2B
Binding Specificity:	acLys12
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H2B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP)

#### Product Details

Purpose:	Acetyl-Histone H2B-K12 Rabbit pAb
Immunogen:	A synthetic acetylated peptide around K12 of human Histone H2B (NP_003519.1).
Sequence:	APKKG
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Acetylated Antibodies
Purification:	Affinity purification

## Target Details

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Target:	Histone H2B
Abstract:	<a href="#">Histone H2B Products</a>
Background:	<p>Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a replication-dependent histone that is a member of the histone H2B family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. The protein has antibacterial and antifungal antimicrobial activity.,GL105,H2B,H2B.1,H2BFQ,H2BGL105,H2BQ,Histone H2B,HIST2H2BE,Epigenetics &amp; Nuclear Signaling,Histones,Epigenetics &amp; Nuclear Signaling,Epigenetic Modifications,Acetylation,Histone H2B</p>
Molecular Weight:	13kDa
Gene ID:	8349
UniProt:	<a href="#">Q16778</a>

## Application Details

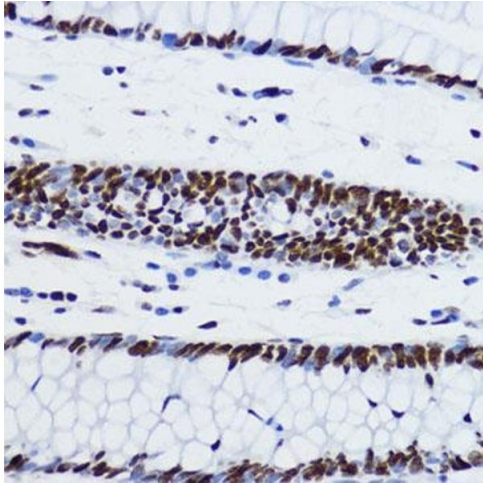
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Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200,ChIP,1:50 - 1:200
Restrictions:	For Research Use only

## Handling

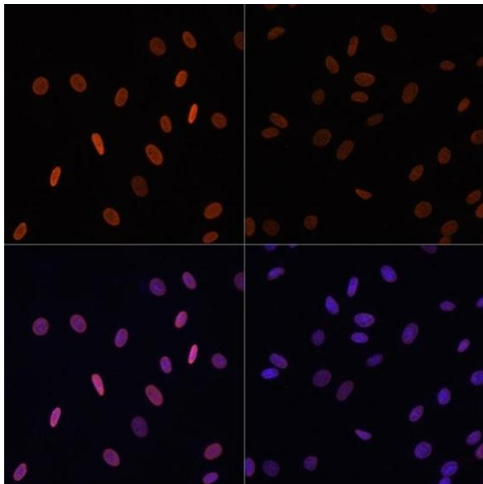
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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



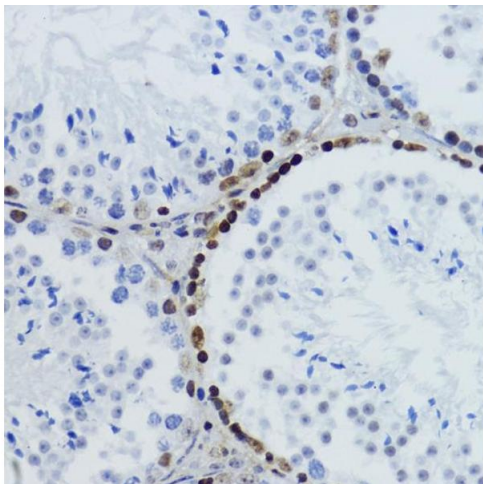
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human colon using Acetyl-Histone H2B-K12 antibody (ABIN7267731) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



### Immunofluorescence

**Image 2.** Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H2B-K12 antibody (ABIN7267731) at dilution of 1:100. NIH/3T3 cells were treated by TSA (1  $\mu$ M) at 37 °C for 18 hours (top left). Blue: DAPI for nuclear staining.



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded mouse testis using Acetyl-Histone H2B-K12 antibody (ABIN7267731) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7267731.