



Datasheet for ABIN7258518
anti-Histone H2B antibody (acLys12)



[Go to Product page](#)

7 Images

Overview

Quantity:	200 µL
Target:	Histone H2B
Binding Specificity:	acLys12
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H2B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic acetylated peptide around K12 of human Histone H2B (NP_003519.1).
Isotype:	IgG
Characteristics:	Acetylated antibody
Purification:	Affinity purification

Target Details

Target:	Histone H2B
Abstract:	Histone H2B Products
Background:	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,

Target Details

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.

Molecular Weight:	Observed_MW: 14 kDa Calculated_MW: 13 kDa
-------------------	--

Gene ID:	8349
----------	------

UniProt:	Q16778
----------	------------------------

Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:200
--------------------	--

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
---------	--------

Concentration:	1 mg/mL
----------------	---------

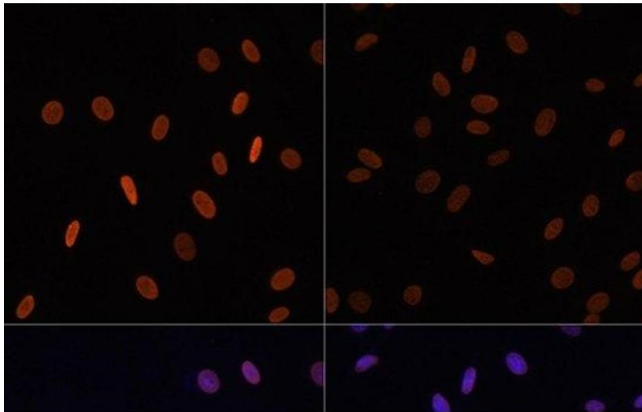
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
---------	---

Preservative:	Sodium azide
---------------	--------------

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

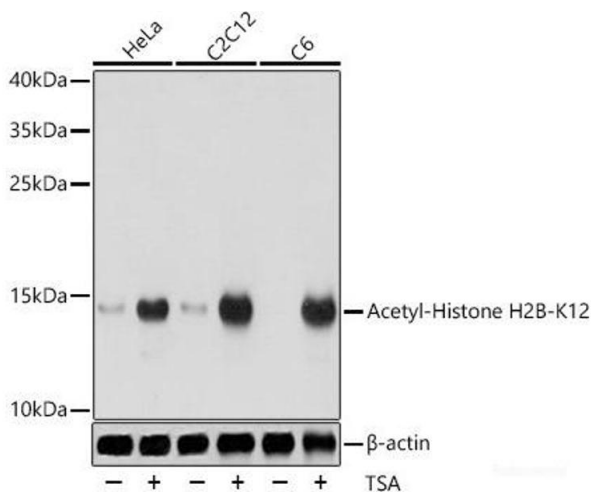
Storage:	-20 °C
----------	--------

Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
------------------	---



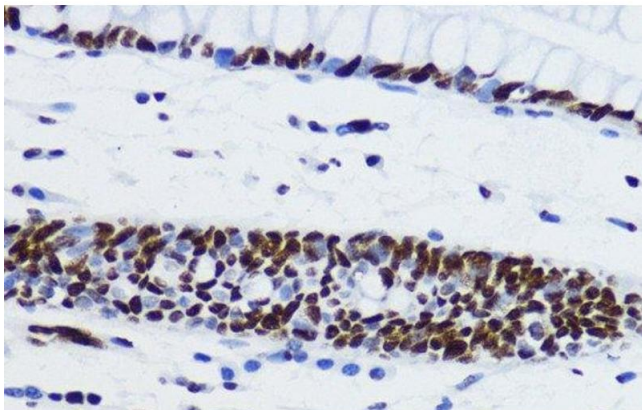
Immunofluorescence

Image 1. Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H2B-K12 Polyclonal Antibody at dilution of 1:100. NIH/3T3 cells were treated by TSA (1 μ M) at 37 °C for 18 hours. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines using Acetyl-Histone H2B-K12 Polyclonal Antibody at dilution of 1:1000. HeLa cells were treated by TSA (1 μ M) at 37 °C for 18 hours. C2C12 cells were treated by TSA (1 μ M) at 37 °C for 18 hours. C6 cells were treated by TSA (1 μ M) at 37 °C for 18 hours.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human colon using Acetyl-Histone H2B-K12 Polyclonal Antibody at dilution of 1:200 (40x lens).

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7258518.