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Datasheet for ABIN7267735

## anti-Histone H2B antibody (meLys5)

### 5 Images

#### Overview

Quantity:	100 µL
Target:	Histone H2B
Binding Specificity:	meLys5
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H2B antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

#### Product Details

Purpose:	MonoMethyl-Histone H2B-K5 Rabbit pAb
Immunogen:	A synthetic peptide of Human H2BK5me1.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Methylated Antibodies
Purification:	Affinity purification

#### Target Details

Target:	Histone H2B
Abstract:	<a href="#">Histone H2B Products</a>

## Target Details

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**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, 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. [provided by RefSeq, Aug 2015],GL105,H2B,H2B.1,H2BFQ,H2BGL105,H2BQ,Histone H2B,HIST2H2BE,Epigenetics & Nuclear Signaling,Histones,Epigenetics & Nuclear Signaling,Epigenetic Modifications,Methylation,Histone H2B

**Molecular Weight:** 13kDa

**Gene ID:** 8349

**UniProt:** [Q16778](#)

## Application Details

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**Application Notes:** WB,1:500 - 1:2000,IF,1:50 - 1:200

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

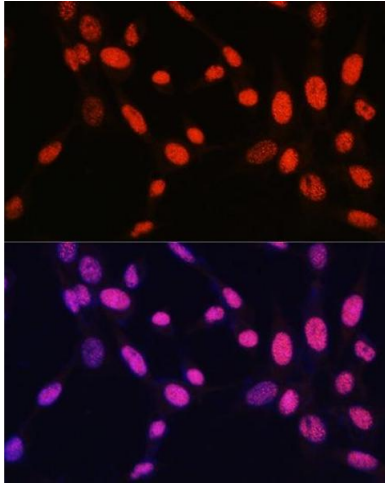
**Buffer:** PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

**Preservative:** Sodium azide

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

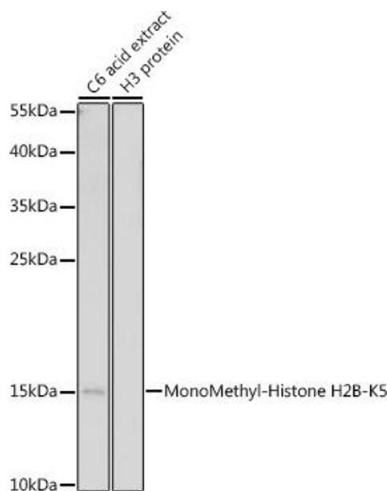
**Storage:** -20 °C

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



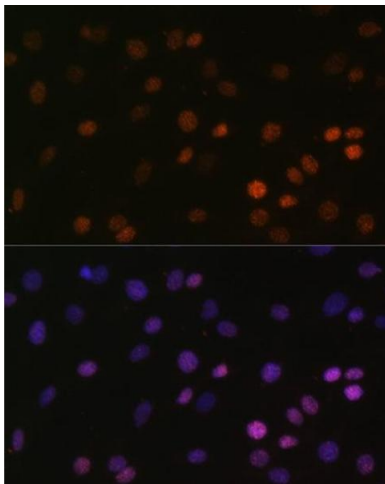
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of NIH-3T3 cells using MonoMethyl-Histone H2B-K5 antibody (ABIN7267735) at dilution of 1:100. Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of C6 cells, using MonoMethyl-Histone H2B-K5 antibody (ABIN7267735) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of C6 cells using MonoMethyl-Histone H2B-K5 antibody (ABIN7267735) at dilution of 1:100. Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7267735.