



Datasheet for ABIN7267722
anti-Histone H2A antibody (acLys5)



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3 Images

Overview

Quantity:	100 µL
Target:	Histone H2A
Binding Specificity:	acLys5
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	Acetyl-Histone H2A-K5 Rabbit pAb
Immunogen:	A synthetic acetylated peptide around K5 of human Histone H2A (NP_003508.1).
Sequence:	GRGKQ
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Acetylated Antibodies
Purification:	Affinity purification

Target Details

Target:	Histone H2A
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Target Details

Abstract: [Histone H2A 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, 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 is intronless and encodes a replication-dependent histone that is a member of the histone H2A family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3.,HIST1H2AI,H2A/c,H2AFC,Epigenetics & Nuclear Signaling,Epigenetic Modifications,Acetylation,Epigenetics & Nuclear Signaling,Epigenetic Modifications,Acetylation,Epigenetics & Nuclear Signaling,Epigenetic Modifications,Acetylation,Histone H2A

Molecular Weight: 14kDa

Gene ID: 8329

UniProt: [P0C0S8](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:100

Restrictions: For Research Use only

Handling

Format: Liquid

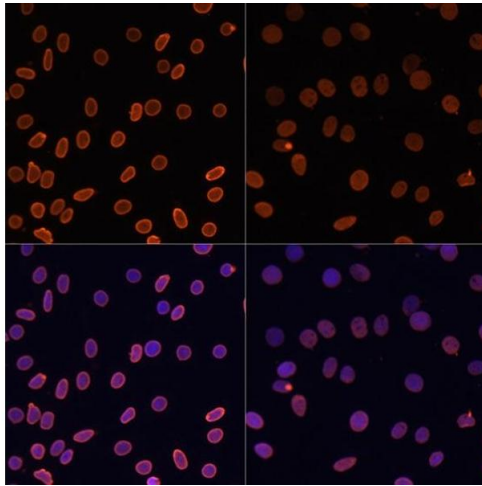
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

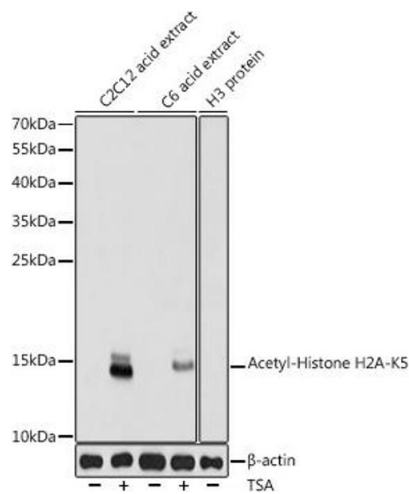
Storage: -20 °C

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



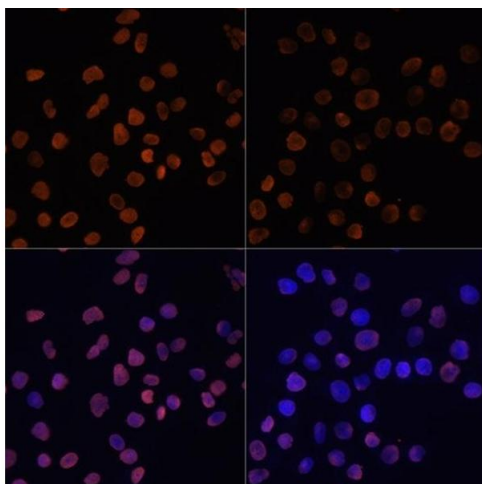
Immunofluorescence

Image 1. Immunofluorescence analysis of C6 cells using Acetyl-Histone H2A-K5 antibody (ABIN7267722) at dilution of 1:100. C6 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 H2A-K5 antibody (ABIN7267722) at 1:1000 dilution. C2C12 cells and C6 cells were treated by TSA (1 μ M) at 37 °C for 18 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Immunofluorescence

Image 3. Immunofluorescence analysis of HeLa cells using Acetyl-Histone H2A-K5 antibody (ABIN7267722) at dilution of 1:100. HeLa cells were treated by TSA (1 μ M) at 37 °C for 18 hours. Blue: DAPI for nuclear staining.