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Datasheet for ABIN6254871

anti-Histone H2A antibody (acLys9)

3 Images

Overview

Quantity:	100 µL
Target:	Histone H2A
Binding Specificity:	acLys9
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human Histone H2A (acetyl K9)
Isotype:	IgG
Specificity:	Histone H2A (acetyl K9) Antibody detects endogenous levels of total Histone H2A (acetyl K9)
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	Immunogen affinity purified

Target Details

Target:	Histone H2A
Abstract:	Histone H2A Products

Target Details

Background: Description: Core component of nucleosome. Nucleosomes wrap and compact DNA into 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.
Gene: HIST1H2AB, HIST1H2AE

Molecular Weight: 14kDa

Gene ID: 30, 128, 335

UniProt: [P04908](#)

Application Details

Application Notes: WB 1:1000-3000 IHC 1:200 ICC/IF

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

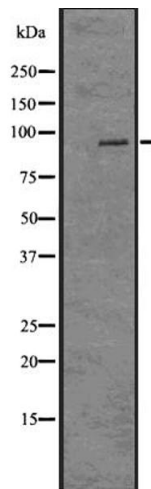
Preservative: Sodium azide

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

Storage: -20 °C

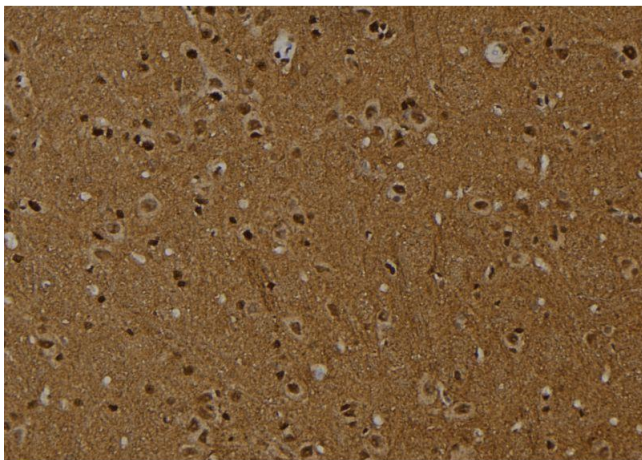
Storage Comment: Store at -20 °C.Stable for 12 months from date of receipt

Expiry Date: 12 months



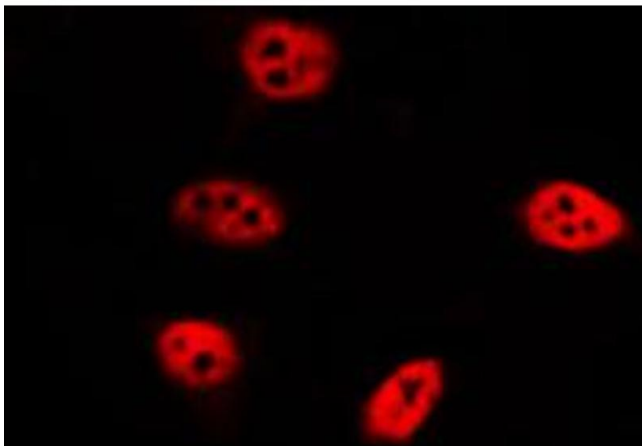
Western Blotting

Image 1. Western blot analysis of Histone H2A (acetyl K9) using HeLa whole cell lysates



Immunohistochemistry

Image 2. ABIN6274016 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Immunofluorescence (fixed cells)

Image 3. ABIN6274016 staining LOVO by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.