Datasheet for ABIN7127265

# Recombinant anti-HIST1H2AB antibody (acLys9)

2 Images

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## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | HIST1H2AB |
| Binding Specificity: | acLys9 |
| Reactivity: | Human |
| Host: | Rabbit |
| Antibody Type: | Recombinant Antibody |
| Clonality: | Monoclonal |
| Conjugate: | This HIST1H2AB antibody is un-conjugated |
| Application: | ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF) |

## Product Details

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|---|---|
| Immunogen: | A synthesized peptide |
| Clone: | 3H5 |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | Affinity-chromatography |

## Target Details

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|---|---|
| Target: | HIST1H2AB |
| Alternative Name: | HIST1H2AB (HIST1H2AB Products) |

## Target Details

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|---|---|
| Background: | Background: 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. Aliases: Histone H2A type 1-B/E, Histone H2A.2, Histone H2A/a, Histone H2A/m, HIST1H2AB, H2AFM, AND, HIST1H2AE, H2AFA |
| UniProt: | P04908 |
| Pathways: | Telomere Maintenance |

## Application Details

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|---|---|
| Application Notes: | Recommended dilution: ICC:1:50-1:500, IF:1:30-1:200, |
| Restrictions: | For Research Use only |

## Handling

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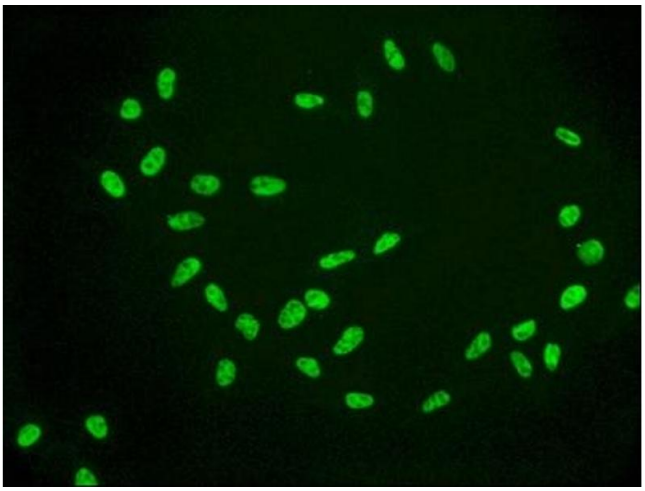
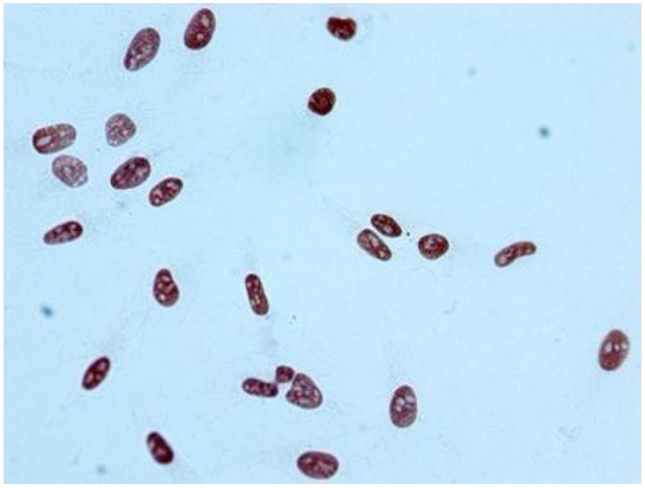
|---|---|
| Format: | Liquid |
| Buffer: | Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |



## Immunofluorescence

**Image 1.** Immunofluorescence staining of Hela cells(treated by 15 mM sodium butyrate for 30 min) with ABIN7127265 at 1:56,counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C.The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG (H+L).



## Immunocytochemistry

**Image 2.** Immunocytochemistry analysis of ABIN7127265 diluted at 1:100 and staining in Hela cells performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer ( pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.