

Datasheet for ABIN7139195  
**anti-HIST1H2AG antibody (acLys74)**



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3 Images

### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | HIST1H2AG  |
| Binding Specificity: | acLys74  |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This HIST1H2AG antibody is un-conjugated   |
| Application:         | ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC) |

### Product Details

|                   |   |
|-------------------|---|
| Immunogen:        | Peptide sequence around site of Acetyl-Lys (74) derived from Human Histone H2A type 1 |
| Isotype:          | IgG   |
| Cross-Reactivity: | Human   |
| Purification:     | Antigen Affinity Purified   |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | HIST1H2AG  |
| Alternative Name: | HIST1H2AG ( <a href="#">HIST1H2AG Products</a> )   |
| 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 |

## Target Details

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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: H2AC11 antibody, H2AFP antibody, HIST1H2AG, antibody, H2AC13 antibody, H2AFC antibody, HIST1H2AI, antibody, H2AC15 antibody, H2AFD antibody, HIST1H2AK, antibody, H2AC16 antibody, H2AFI antibody, HIST1H2AL, antibody, H2AC17 antibody, H2AFN antibody, HIST1H2AMHistone H2A type 1 antibody, H2A.1 antibody, Histone H2A/ptl antibody

UniProt: [P0C0S8](#)

## Application Details

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Application Notes: Recommended dilution: WB:1:100-1:1000, ICC:1:1-1:10, IF:1:1-1:10,

Restrictions: For Research Use only

## Handling

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Format: Liquid

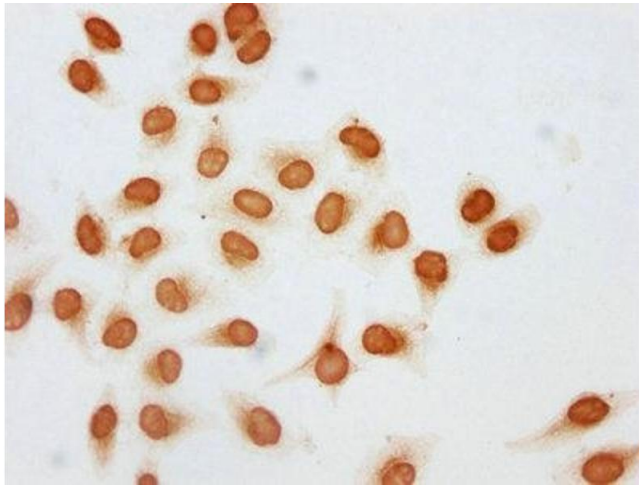
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

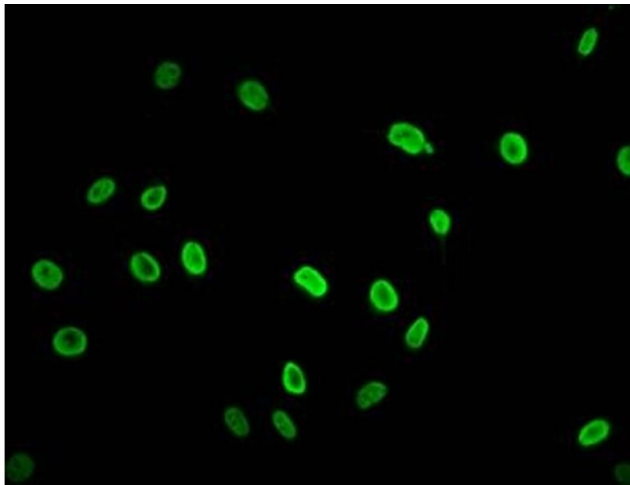
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



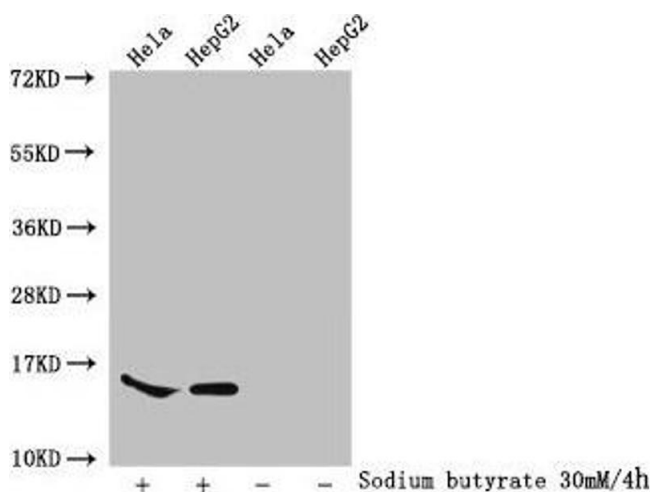
### Immunocytochemistry

**Image 1.** Immunocytochemistry analysis of ABIN7139195 diluted at 1:5 and staining in HeLa cells (treated with 30mM sodium butyrate for 4h) performed on a Leica Bond™ system. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked with 10% normal goat serum 30min 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.



### Immunofluorescence

**Image 2.** Immunofluorescence staining of HeLa cells (treated with 30mM sodium butyrate for 4h) with ABIN7139195 at 1:2.5, 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-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



### Western Blotting

**Image 3.** Western Blot Detected samples: HeLa whole cell lysate, HepG2 whole cell lysate, Untreated (-) or treated (+) with 30 mM sodium butyrate for 4h All lanes: HIST1H2AG antibody at 1:100 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 15 kDa Observed band size: 15 kDa