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Datasheet for ABIN7139157

## anti-HIST1H2AG antibody (acLys13)

### 4 Images

#### Overview

Quantity:	100 µL
Target:	HIST1H2AG
Binding Specificity:	acLys13
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H2AG antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

#### Product Details

Immunogen:	Peptide sequence around site of Acetyl-Lys (13) 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

## Target Details

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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: 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

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UniProt: [P0C0S8](#)

## Application Details

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Application Notes: Recommended dilution: WB:1:100-1:1000, IHC:1:1-1:10, IF:1:1-1:10, IP:1:200-1:2000,

Restrictions: For Research Use only

## Handling

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Format: Liquid

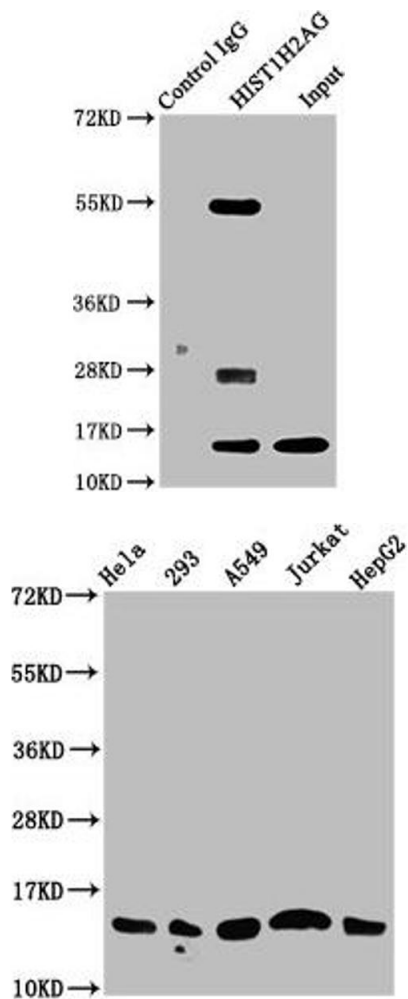
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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.

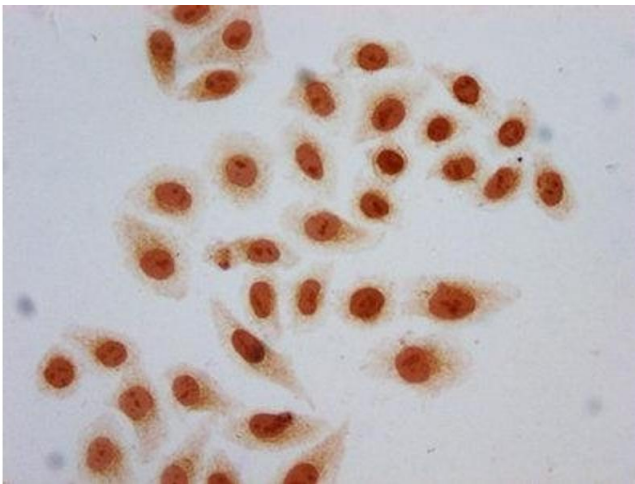


### Western Blotting

**Image 1.** Immunoprecipitating HIST1H2AG in 293 whole cell lysate Lane 1: Rabbit control IgG instead of ABIN7139157 in 293 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: ABIN7139157 (5 µg) + 293 whole cell lysate (500 µg) Lane 3: 293 whole cell lysate (20 µg)

### Western Blotting

**Image 2.** Western Blot Positive WB detected in: HeLa whole cell lysate, 293 whole cell lysate, A549 whole cell lysate, Jurkat whole cell lysate, HepG2 whole cell lysate (all treated with 30 mM sodium butyrate for 4h) All lanes: HIST1H2AG antibody at 1.25 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 15 kDa Observed band size: 15 kDa



### Immunocytochemistry

**Image 3.** Immunocytochemistry analysis of ABIN7139157 diluted at 1:5 and staining in HeLa cells (treated with 30mM sodium butyrate for 4h) performed on a Leica Bond<sup>TM</sup> 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.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7139157.