



[Go to Product page](#)

Datasheet for ABIN7139153  
**anti-HIST1H4A antibody (acLys12)**

3 Images

### Overview

Quantity:	100 µL
Target:	HIST1H4A
Binding Specificity:	acLys12
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H4A antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP), Immunocytochemistry (ICC)

### Product Details

Immunogen:	Peptide sequence around site of Acetyl-Lys (12) derived from Human Histone H4
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

### Target Details

Target:	HIST1H4A
Alternative Name:	HIST1H4A ( <a href="#">HIST1H4A 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: dJ160A22.1 antibody, dJ160A22.2 antibody, dJ221C16.1 antibody, dJ221C16.9 antibody, FO108 antibody, H4 antibody, H4.k antibody, H4/a antibody, H4/b antibody, H4/c antibody, H4/d antibody, H4/e antibody, H4/g antibody, H4/h antibody, H4/l antibody, H4/j antibody, H4/k antibody, H4/m antibody, H4/n antibody, H4/p antibody, H4\_HUMAN antibody, H4F2 antibody, H4F2iii antibody, H4F2iv antibody, H4FA antibody, H4FB antibody, H4FC antibody, H4FD antibody, H4FE antibody, H4FG antibody, H4FH antibody, H4FI antibody, H4FJ antibody, H4FK antibody, H4FM antibody, H4FN antibody, H4M antibody, HIST1H4A antibody, HIST1H4B antibody, HIST1H4C antibody, HIST1H4D antibody, HIST1H4E antibody, HIST1H4F antibody, HIST1H4H antibody, HIST1H4I antibody, HIST1H4J antibody, HIST1H4K antibody, HIST1H4L antibody, HIST2H4 antibody, HIST2H4A antibody, Hist4h4 antibody, Histone 1 H4a antibody, Histone 1 H4b antibody, Histone 1 H4c antibody, Histone 1 H4d antibody, Histone 1 H4e antibody, Histone 1 H4f antibody, Histone 1 H4h antibody, Histone 1 H4i antibody, Histone 1 H4j antibody, Histone 1 H4k antibody, Histone 1 H4l antibody, Histone 2 H4a antibody, histone 4 H4 antibody, Histone H4 antibody, MGC24116 antibody

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UniProt: [P62805](#)

## Application Details

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Application Notes: Recommended dilution: ICC:1:20-1:200, IF:1:50-1:200,

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.

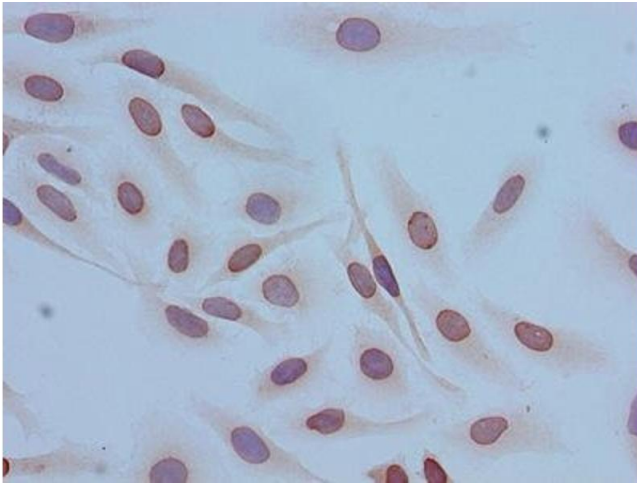
Storage: -20 °C,-80 °C

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## Handling

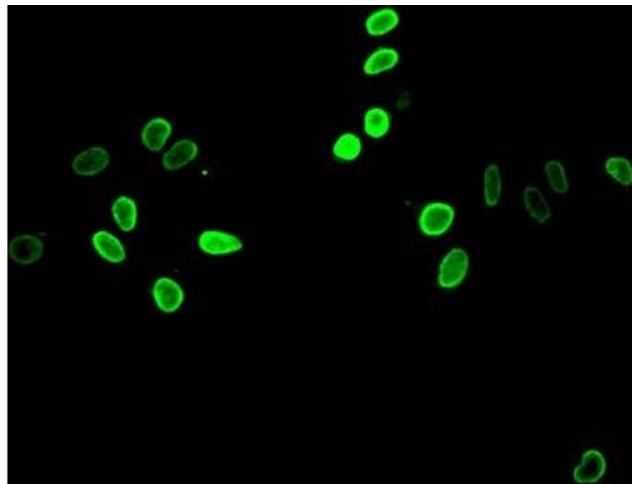
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



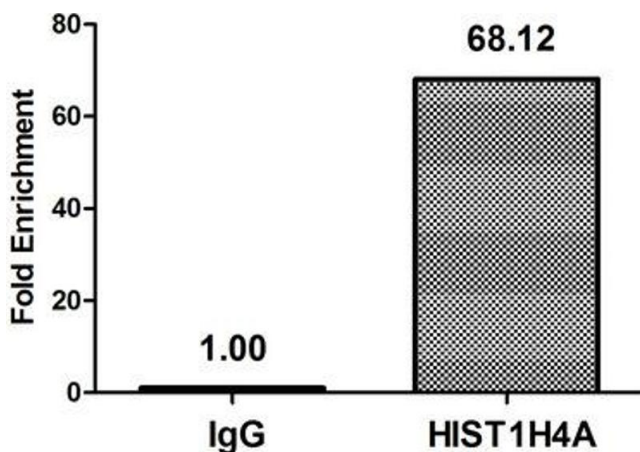
### Immunocytochemistry

**Image 1.** Immunocytochemistry analysis of HeLa cells using ABIN7139153 at dilution of 1:100



### Immunofluorescence

**Image 2.** Immunofluorescent analysis of HeLa cells treated by NaB using ABIN7139153 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



### Immunohistochemistry

**Image 3.** Chromatin Immunoprecipitation HeLa ( $4 \times 10^6$ ) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 8  $\mu$ g anti-HIST1H4A (ABIN7139153) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the  $\beta$ -Globin promoter.