

Datasheet for ABIN7181539

**anti-HIST1H3A antibody (AA 11-22)**[Go to Product page](#)**1** Image

## Overview

|                      |                                         |
|----------------------|-----------------------------------------|
| Quantity:            | 100 µL                                  |
| Target:              | HIST1H3A                                |
| Binding Specificity: | AA 11-22                                |
| Reactivity:          | Human                                   |
| Host:                | Rabbit                                  |
| Clonality:           | Polyclonal                              |
| Conjugate:           | This HIST1H3A antibody is un-conjugated |
| Application:         | ELISA, Immunocytochemistry (ICC)        |

## Product Details

|                   |                                                                       |
|-------------------|-----------------------------------------------------------------------|
| Immunogen:        | Synthesized peptide derived from Human Histone H3.1 protein (11-22aa) |
| Isotype:          | IgG                                                                   |
| Cross-Reactivity: | Human                                                                 |
| Purification:     | Antigen Affinity Purified                                             |

## Target Details

|                   |                                                                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | HIST1H3A                                                                                                                                                                 |
| Alternative Name: | HIST1H3A ( <a href="#">HIST1H3A 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

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 H3.1 (Histone H3/a) (Histone H3/b) (Histone H3/c) (Histone H3/d) (Histone H3/f) (Histone H3/h) (Histone H3/i) (Histone H3/j) (Histone H3/k) (Histone H3/l), HIST1H3A, HIST1H3B, HIST1H3C, HIST1H3D, HIST1H3E, HIST1H3F, HIST1H3G, HIST1H3H, HIST1H3I, HIST1H3J, H3FA, H3FL, H3FC, H3FB, H3FD, H3FI, H3FH, H3FK, H3FF, H3FJ

UniProt: [P68431](#)

Application Details

Application Notes: Recommended dilution: ICC:1:10-1:100,

Restrictions: For Research Use only

Handling

Format: Liquid

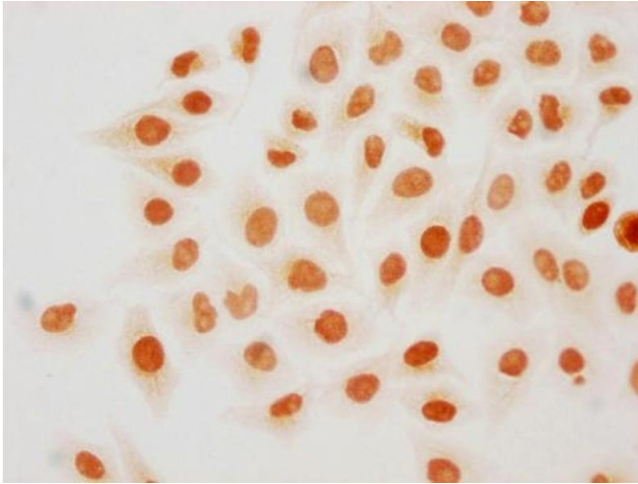
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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 forHU diluted at 1:20 and staining in Hela cells (treated with 30 mM 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 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.