

Datasheet for ABIN7138396  
**anti-HIST1H3A antibody (acLys9)**



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1 Image

## Overview

|                      |                                         |
|----------------------|-----------------------------------------|
| Quantity:            | 100 µL                                  |
| Target:              | HIST1H3A                                |
| Binding Specificity: | acLys9                                  |
| Reactivity:          | Human                                   |
| Host:                | Rabbit                                  |
| Clonality:           | Polyclonal                              |
| Conjugate:           | This HIST1H3A antibody is un-conjugated |
| Application:         | ELISA, Western Blotting (WB)            |

## Product Details

|                   |                                                                                                                                                                                                                                                               |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:        | Peptide sequence around acetylation site of Lysine 9(T-A-R(p)-K-S) derived from Human Histone H3.                                                                                                                                                             |
| Isotype:          | IgG                                                                                                                                                                                                                                                           |
| Cross-Reactivity: | Human, Mouse, Rat                                                                                                                                                                                                                                             |
| Purification:     | Antibodies were produced by immunizing rabbits with synthetic acetylpeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific acetylpeptide. Non-acetyl specific antibodies were removed by chromatography using |

## Target Details

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

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Background:</p> <p>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.</p> <p>Aliases: H3 histone family member E pseudogene antibody, H3 histone family, member A antibody, H3/A antibody, H31_HUMAN antibody, H3F3 antibody, H3FA antibody, Hist1h3a antibody, HIST1H3B antibody, HIST1H3C antibody, HIST1H3D antibody, HIST1H3E antibody, HIST1H3F antibody, HIST1H3G antibody, HIST1H3H antibody, HIST1H3I antibody, HIST1H3J antibody, HIST3H3 antibody, histone 1, H3a antibody, Histone cluster 1, H3a antibody, Histone H3 3 pseudogene antibody, Histone H3.1 antibody, Histone H3/a antibody, Histone H3/b antibody, Histone H3/c antibody, Histone H3/d antibody, Histone H3/f antibody, Histone H3/h antibody, Histone H3/i antibody, Histone H3/j antibody, Histone H3/k antibody, Histone H3/l antibody</p> |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

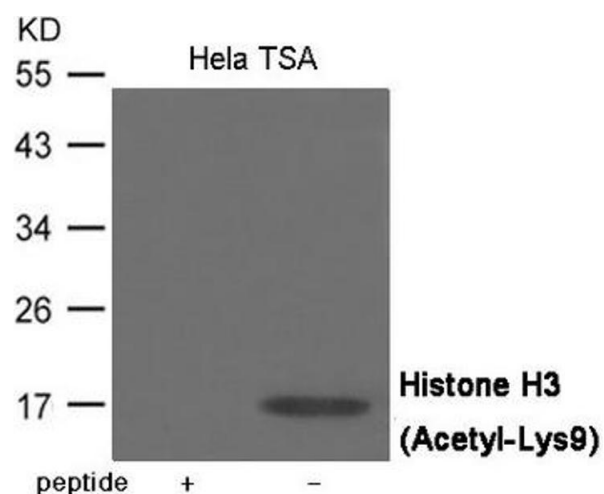
UniProt: [P68431](#)

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | WB:1:500-1:1000,      |
| Restrictions:      | For Research Use only |

## Handling

|                    |                                                                                                                                                                  |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                                           |
| Buffer:            | Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 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.                                                                                                    |



**Western Blotting**

**Image 1.** Western blot analysis of extracts from Hela cells treated with TSA using Histone H3(Acetyl-Lys9) Antibody .The lane on the left is treated with the antigen-specific peptide.