

Datasheet for ABIN7139150
anti-HIST1H3A antibody (acLys115)



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2 Images

Overview

Quantity:	100 µL
Target:	HIST1H3A
Binding Specificity:	acLys115
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H3A antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunocytochemistry (ICC)

Product Details

Immunogen:	Peptide sequence around site of Acetyl-Lys (115) derived from Human Histone H3.1
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	HIST1H3A
Alternative Name:	HIST1H3A (HIST1H3A Products)
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: 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

UniProt: [P68431](#)

Application Details

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

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 ABIN7139150 diluted at 1:4 and staining in HeLa cells (treated with 30mM sodium butyrate for 4h) performed on a Leica BondTM 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.

Western Blotting

Image 2. Western Blot Detected samples: HeLa whole cell lysate, 293 whole cell lysate, A549 whole cell lysate, K562 whole cell lysate, Untreated (-) or treated (+) with 30 mM sodium butyrate for 4h All lanes: HIST1H3A antibody at 1:100 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 16 kDa Observed band size: 16 kDa

