

Datasheet for ABIN7139171
anti-HIST1H4A antibody (acLys20)



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2 Images

Overview

Quantity:	100 µL
Target:	HIST1H4A
Binding Specificity:	acLys20
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H4A antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around site of Acetyl-Lys (20) derived from Human Histone H4
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	HIST1H4A
Alternative Name:	HIST1H4A (HIST1H4A 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: dJ160A22.1 antibody, dJ160A22.2 antibody, dJ221C16.1 antibody, dJ221C16.9 antibody, F0108 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

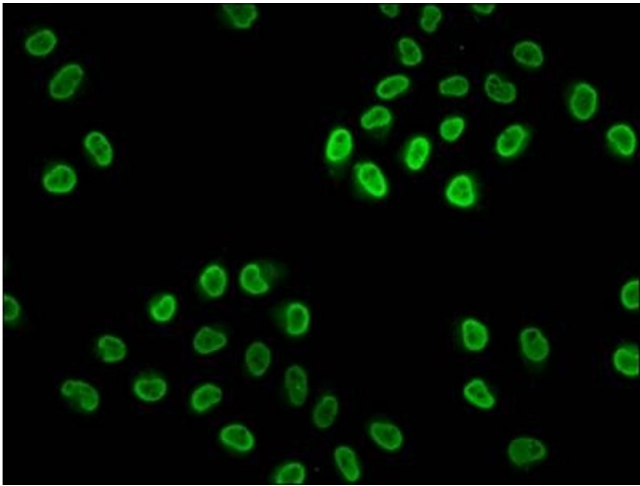
UniProt: [P62805](#)

Application Details

Application Notes:	Recommended dilution: WB:1:100-1:1000, IF:1:1-1:10,
Restrictions:	For Research Use only

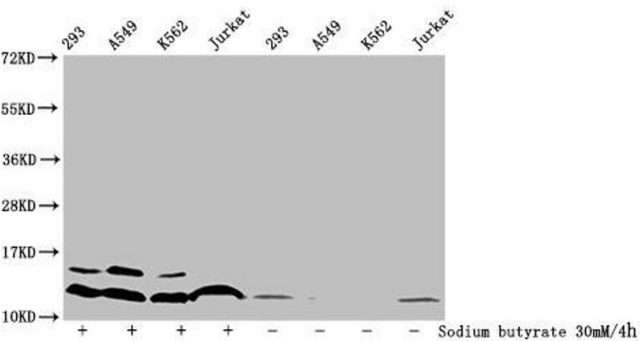
Handling

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.



Immunofluorescence

Image 1. Immunofluorescence staining of HeLa cells (treated with 30mM sodium butyrate for 4h) with ABIN7139171 at 1:2.5, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Western Blotting

Image 2. Western Blot Detected samples: 293 whole cell lysate, A549 whole cell lysate, K562 whole cell lysate, Jurkat whole cell lysate, Untreated (-) or treated (+) with 30 mM sodium butyrate for 4h All lanes: HIST1H4A antibody at 1:100 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 12 kDa Observed band size: 12 kDa