

Datasheet for ABIN7138152

anti-HIST1H3A antibody (AA 26-30)



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1 Image

Overview

Quantity:	100 µL
Target:	HIST1H3A
Binding Specificity:	AA 26-30
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H3A antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	Peptide sequence around aa.26-30(A-R-K-S-A) derived from Human Histone H3.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

Target Details

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

Target Details

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.

Choi H.S., Choi B.Y., Cho Y.-Y., Zhu F., Bode A.M., Dong Z.J. Biol. Chem. 280:13545-13553(2005)
Tan M., Luo H., Lee S., Jin F., Yang J.S., Montellier E., Buchou T., Cheng Z., Rousseaux S., Rajagopal N., Lu Z., Ye Z., Zhu Q., Wysocka J., Ye Y., Khochbin S., Ren B., Zhao Y. Cell 146:1016-1028(2011)

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: 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 Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

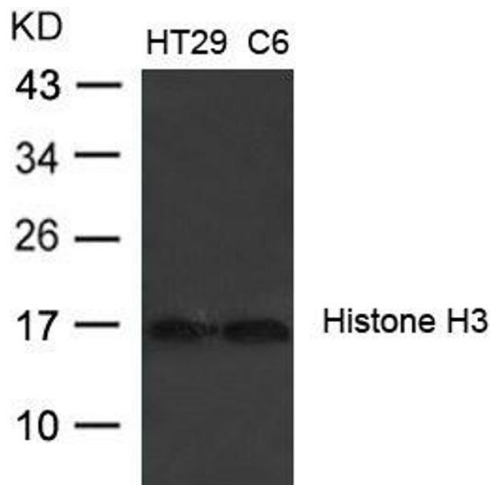
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

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

Images



Western Blotting

Image 1. Western blot analysis of extracts from HT29 and C6 cells using Histone H3 (Ab-27) Antibody.