

Datasheet for ABIN6952418
anti-HIST3H2A antibody (acLys5)



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Overview

Quantity:	50 µg
Target:	HIST3H2A
Binding Specificity:	acLys5
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST3H2A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), ChIP DNA-Sequencing (ChIP-seq), Dot Blot (DB), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	synthetic peptide
Specificity:	Polyclonal antibody raised in rabbit against the region of histone H2A containing the acetylated lysine 5 (H2AK5ac), using a KLH-conjugated synthetic peptide.
Purification:	Peptide affinity purified

Target Details

Target:	HIST3H2A
Alternative Name:	H2A (HIST3H2A Products)
Background:	Histones are the main constituents of the protein part of chromosomes of eukaryotic cells. They are rich in the amino acids arginine and lysine and have been greatly conserved during

Target Details

evolution. Histones pack the DNA into tight masses of chromatin. Two core histones of each class H2A, H2A, H3 and H4 assemble and are wrapped by 146 base pairs of DNA to form one octameric nucleosome. Histone tails undergo numerous post-translational modifications, which either directly or indirectly alter chromatin structure to facilitate transcriptional activation or repression or other nuclear processes. In addition to the genetic code, combinations of the different histone modifications reveal the so-called "histone code". Histone methylation and demethylation is dynamically regulated by respectively histone methyl transferases and histone demethylases.

UniProt: [Q7L7L0](#)

Application Details

Application Notes: ChIP/ChIP-seq 0.5 - 1 µg:ChIP
 ELISA 1:4,000
 Dot Blot 1:5,000
 WB 1:1,000
 IF 1:500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.93 µg/µL

Buffer: PBS, 0.05 % azide, 0.05 % ProClin300

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