Datasheet for ABIN362736

anti-Histone H3.1 antibody (AA 8-12)

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Overview

Quantity:	100 µL
Target:	Histone H3.1 (HIST1H3B)
Binding Specificity:	AA 8-12
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H3.1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around AA 8-12 (R-K-S-T-G) derived from Human Histone H3.1. Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates.
Isotype:	IgG
Specificity:	The antibody detects endogenous level of total Histone H3.1 protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography usingepitope-specific immunogen.

Target Details

Target:	Histone H3.1 (HIST1H3B)
Alternative Name:	Histone H3.1 (HIST1H3B Products)

Target Details

Background:	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.
Molecular Weight:	17 kDa
NCBI Accession:	NP_003521
UniProt:	P68431

Application Details

Application Notes:	Western blotting: 1:500-1:1000 Immunofluorescence: 1:100-1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	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.
Storage:	4 °C/-20 °C
Storage Comment:	Store at -20 °C for long term preservation (recommended). Store at 4 °C for short term use.

Publications

Product cited in:	Toribio, Brown, Novince, Marlow, Hernon, Lanigan, Hildreth, Werbeck, Shu, Lorch, Carlton, Foley, Boyaka, McCauley, Rosol: "The midregion, nuclear localization sequence, and C terminus of PTHrP regulate skeletal development, hematopoiesis, and survival in mice." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, Vol. 24, Issue 6, pp. 1947-57, (2010) (PubMed).

Publications

There are more publications referencing this product on: Product page