



Histone H2B (Acetyl Lys109) rabbit pAb

Catalog No	BYab-00889
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB; ELISA
Gene Name	HIST1H2BA TSH2B
Protein Name	Histone H2B (Acetyl Lys109)
Immunogen	Synthesized peptide derived from human Histone H2B (Acetyl Lys109)
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat Histone H2B (Acetyl Lys109)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Histone H2B type 1-A (Histone H2B, testis;Testis-specific histone H2B)
Observed Band	14kD
Cell Pathway	Nucleus . Chromosome .
Tissue Specificity	Mainly expressed in testis, and the corresponding protein is also present in mature sperm (at protein level). Also found in some fat cells.
Function	function: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.,PTM:Monoubiquitination of Lys-122 by the RNF20/40 complex gives a specific tag for epigenetic transcriptional activation and is also prerequisite for histone H3 'Lys-4' and 'Lys-79' methylation. It also functions cooperatively with the FACT dimer to stimulate elongation by RNA polymerase II.,similarity:Belongs to the histone H2B family.,subunit:The nucleosome is a histone octamer containing two molecules

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each of H2A, H2B, H3 and H4 assembled in one

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a testis/sperm-specific member of the histone H2B family. Transcripts from this gene contain a palindromic termination element. [provided by RefSeq, Aug 2015],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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