

Histone H2B (Acetyl Lys12) Rabbit pAb

CatalogNo: YK0202 Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 14kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, pH 7.4, containing 0.5% BSA, 0.02% sodium azide as Preservative and 50% Glycerol.

Recommended Dilution Ratios

WB 1:1000-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthetic Peptide of Histone H2B (Acetyl Lys12)**Specificity** The antibody detects endogenous Histone H2B (Acetyl Lys12) protein.

Target Information

Gene name HIST1H2BC

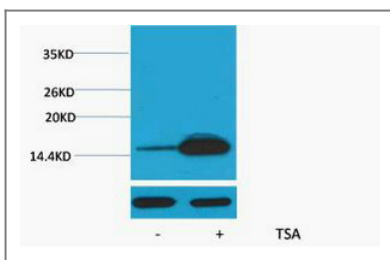
Protein Name	Histone H2B type 1-A/Histone H2B type 1-B/Histone H2B type 1-C/E/F/G/I		
Organism	Gene ID	UniProt ID	
Human	255626 ; 3018 ; 3017 ; 8339 ; 8343 ; 8344 ; 8346 ; 8347 ;	Q96A08 ; P33778 ; P62807 ;	
Mouse	319177 ; 319178 ; 319179 ;		
Rat	24829 ;	Q00729 ;	

Cellular Localization 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 each of H2A, H2B, H3 and H4 assembled in one H3-H4 heterotetramer and two H2A-H2B heterodimers. The octamer wraps approximately 147 bp of DNA.,tissue specificity:Transcribed exclusively in testis, and the corresponding protein is also present in mature sperm.,

Validation Data



Western blot analysis of extracts from HeLa cells, untreated (-) or treated, 1:5000. Secondary antibody (catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).

Contact information

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