

Histone H2B (Acetyl Lys126) Rabbit pAb

CatalogNo: YK0027

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 15kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:20000

Not yet tested in other applications.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized Acetyl-peptide derived from human H2B around the Acetylation site of Lys126. AA range: 78-127

Specificity Acetyl-Histone H2B (K126) Polyclonal Antibody detects endogenous levels of Histone H2B protein only when acetylated at K126.

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

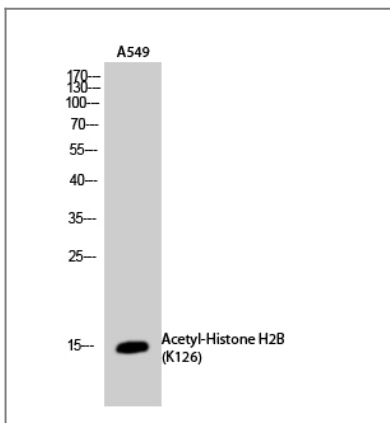
| Organism | Gene ID | UniProt ID |
|----------|--------------------------|--------------------------|
| Human | 255626 ; | Q96A08 ; |
| Mouse | 319177 ; | P70696 ; |
| Rat | 24829 ; | Q00729 ; |

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 A549 cells using Acetyl-Histone H2B (K126) Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

Contact information

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**Histone H2B (Acetyl
Lys126) Rabbit pAb**

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