

## 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

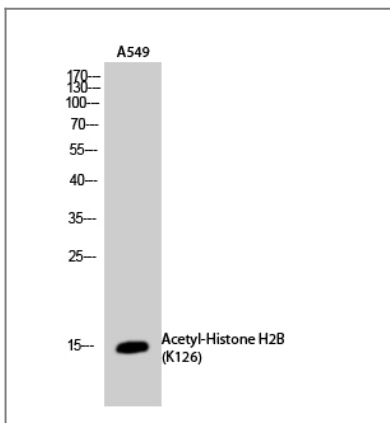
Organism	Gene ID	UniProt ID
Human	<a href="#">255626</a> ;	<a href="#">Q96A08</a> ;
Mouse	<a href="#">319177</a> ;	<a href="#">P70696</a> ;
Rat	<a href="#">24829</a> ;	<a href="#">Q00729</a> ;

**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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