

## Histone H2B (Acetyl Lys35) Rabbit pAb

CatalogNo: YK0136

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, ELISA

#### MW

- 14kD (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 1:1000-2000**

**ELISA 1:5000-20000**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human Histone H2B (Acetyl Lys35)

**Specificity** This antibody detects endogenous levels of Human, Mouse, Rat Histone H2B (Acetyl Lys35). The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): SRKES

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## | Target Information

**Gene name** HIST1H2BC H2BFL; HIST1H2BE H2BFH; HIST1H2BF H2BFG; HIST1H2BG H2BFA; HIST1H2BI H2BFK

**Protein Name** Histone H2B (Acetyl Lys35)

**OrganismGene ID**

**UniProt ID**

Human [3017](#); [P62807](#); [P58876](#); [Q93079](#); [O60814](#); [Q99880](#); [Q99879](#); [Q99877](#); [Q5QNW6](#); [P57053](#);

Mouse [319179](#); [Q6ZWY9](#);

**Cellular Localization**

Nucleus. Chromosome.

**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. ,miscellaneous:The mouse orthologous protein seems not to exist. ,PTM:Monoubiquitination of Lys-121 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. ,PTM:Phosphorylated on Ser-15 by STK4/MST1 during apoptosis; which facilitates apoptotic chromatin condensation. Also phosphorylated on Ser-15 in response to DNA double strand breaks (DSBs) , and in correlation with somatic hypermutation and immunoglobulin class-switch recombination. ,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. ,

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## | Validation Data

## | Contact information

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