

Acetyl-Histone H2B-K20 Rabbit pAb

Catalog No.: A24886

Basic Information

Observed MW

17kDa

Calculated MW

14kDa

Category

Primary antibody

Applications

WB,ELISA,ChIP

Cross-Reactivity

Human, Mouse, Rat

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a replication-dependent histone that is a member of the histone H2B family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. The protein has antibacterial and antifungal antimicrobial activity.

Recommended Dilutions

WB 1:500 - 1:1000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

ChIP 5µg antibody for 5µg-10µg of Chromatin

Immunogen Information

Gene ID

3017/8349

Swiss Prot

P62807/Q16778

Immunogen

A synthetic acetylated peptide around K20 of human Histone H2B (NP_003519.1).

Synonyms

H2B; H2BE; H2BQ; GL105; H2B.1; H2BFQ; H2BGL105; H2B-GL105; HIST2H2BE; Acetyl-Histone H2B-K20

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

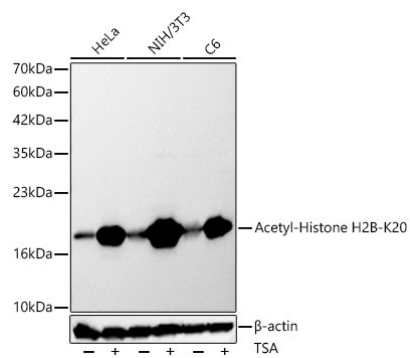
Affinity purification

Storage

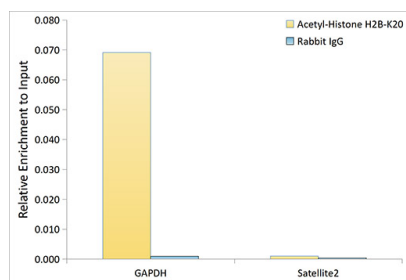
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using Acetyl-Histone H2B-K20 Rabbit pAb (A24886) at 1:500 dilution. HeLa cells, NIH/3T3 cells and C6 cells were treated by TSA (1 μ M) at 37°C for 18 hours. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20s.



Chromatin immunoprecipitation was performed with cross-linked chromatin from 293F cells, using Acetyl-Histone H2B-K20 Rabbit pAb (A24886) and rabbit IgG (AC005). The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram compares the ratio of the immunoprecipitated DNA versus the input.