

Rabbit Acetyl-Histone H2B-K12 Polyclonal Antibody | anti-Acetyl-H2B-K12 antibody

Acetyl-Histone H2B-K12 Rabbit pAb

CATALOG # AAA28316	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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PRODUCT SYNONYMS

Acetyl-Histone H2B-K12; Polyclonal Antibody; Acetyl-Histone H2B-K12 Rabbit pAb; GL105; H2B; H2B.1; H2BFQ; H2BGL105; H2BQ; Histone H2B; HIST2H2BE; anti-Acetyl-H2B-K12 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	APKKG
Applicable Applications for anti-Acetyl-H2B-K12 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200
Immunogen	A synthetic acetylated peptide around K12 of human Histone H2B (NP_003519.1).
Cellular Location	Chromosome, Nucleus
Positive Samples	HeLa, C2C12, C6
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



ChIP (Chromatin Immunoprecipitation)

Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Acetyl-Histone H2B-K12 antibody and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H2B-K12 antibody at dilution of 1:100. NIH/3T3 cells were treated by TSA (1 uM) at 37°C for 18 hours (top left). Blue: DAPI for nuclear staining.



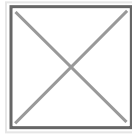
IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using Acetyl-Histone H2B-K12 antibody at dilution of 1:100. HeLa cells were treated by TSA (1 μ M) at 37 $^{\circ}$ C for 18 hours (top left). Blue: DAPI for nuclear staining.



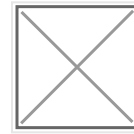
IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using Acetyl-Histone H2B-K12 antibody at dilution of 1:100. C6 cells were treated by TSA (1 μ M) at 37 $^{\circ}$ C for 18 hours (top left). Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse testis using Acetyl-Histone H2B-K12 antibody at dilution of 1:200 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat ovary using Acetyl-Histone H2B-K12 antibody at dilution of 1:200 (40x lens).

ADDITIONAL INFORMATION

Related Product Information for anti-Acetyl-H2B-K12 antibody

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.

Product Categories/Family for anti-Acetyl-H2B-K12 antibody

[Epigenetics & Nuclear Signaling](#); [Histones](#); [Research](#); [Epigenetics & Nuclear Signaling](#); [Epigenetic Modifications](#); [Methylation](#); [Research](#); [Epigenetics & Nuclear Signaling](#); [Epigenetic Modifications](#); [Acetylation](#); [Research](#); [Epigenetics & Nuclear Signaling](#); [Epige](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	7387736
NCBI GeneID	8349
UniProt Accession #	Q16778; Q4KMY1; Q5QNX0; Q9UE88; A3KMC7; A8K110
Molecular Weight	126
NCBI Official Full Name	Histone H2B type 2-E
NCBI Official Synonym Full Names	histone cluster 2, H2be
NCBI Official Symbol	HIST2H2BE
NCBI Official Synonym Symbols	H2B; H2BQ; GL105; H2B.1; H2BFQ; H2BGL105
NCBI Protein Information	histone H2B type 2-E; histone H2B.q; histone 2, H2be; histone H2B-GL105; H2B histone family, member Q
UniProt Protein Name	Histone H2B type 2-E
UniProt Gene Name	HIST2H2BE
UniProt Synonym Gene Names	H2BFQ; H2B/q
UniProt Entry Name	H2B2E_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/acetyl-histone-h2b-k12-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/28316>