

Rabbit Acetyl-Histone H4-K12 Polyclonal Antibody | anti-Acetyl-H4-K12 antibody

Acetyl-Histone H4-K12 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28313	Rabbit	Human, Mouse, Rat, Other (Wide Range)	Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

Acetyl-Histone H4-K12; Polyclonal Antibody; Acetyl-Histone H4-K12 Rabbit pAb; HIST1H4B; H4/I; H4FI; histone H4; Histone H4; HIST1H4A; HIST2H4A; FO108; H4; H4/n; H4F2; H4FN; HIST2H4; anti-Acetyl-H4-K12 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Other (Wide Range)
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	GLGKG
Applicable Applications for anti-Acetyl-H4-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 H4 (NP_001029249.1).
Cellular Location	Chromosome, Nucleus
Positive Samples	C6, HeLa
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H4-K12 antibody at dilution of 1:100. NIH/3T3 cells were treated by TSA (1 uM) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using Acetyl-Histone H4-K12 antibody at dilution of 1:100. C6 cells were treated by TSA (1 uM) at 37°C for 18 hours. Blue: DAPI for nuclear staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded mouse spinal cord using Acetyl-Histone H4-K12 antibody at dilution of 1:200 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded mouse testis using Acetyl-Histone H4-K12 antibody at dilution of 1:200 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded rat ovary using Acetyl-Histone H4-K12 antibody at dilution of 1:200 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human appendix using Acetyl-Histone H4-K12 antibody at dilution of 1:200 (40x lens).

ADDITIONAL INFORMATION

Related Product Information for anti-Acetyl-H4-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 is intronless and encodes a replication-dependent histone that is a member of the histone H4 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6.
Product Categories/Family for anti-Acetyl-H4-K12 antibody	Acetylated Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	77539758
NCBI GeneID	554313
NCBI Accession #	NP_001029249.1
NCBI GenBank Nucleotide #	NM_001034077.4
UniProt Accession #	P62805 ; P02304 ; P02305 ; Q6DRA9 ; Q6FGB8 ; Q6NWP7 ; A2VCL0
Molecular Weight	11,367 Da
NCBI Official Full Name	histone H4
NCBI Official Synonym Full Names	histone cluster 2, H4b
NCBI Official Symbol	HIST2H4B
NCBI Official Synonym Symbols	H4/o
NCBI Protein Information	histone H4; histone 2, H4b
UniProt Protein Name	Histone H4
UniProt Gene Name	HIST1H4A
UniProt Synonym Gene Names	H4/A; H4FA
UniProt Entry Name	H4_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.