

Rabbit Acetyl-Histone H4-K91 Polyclonal Antibody | anti-Acetyl-H4-K91 antibody

Acetyl-Histone H4-K91 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281567	Rabbit	Human, Mouse, Rat, Other (Wide Range)	Chromatin Immunoprecipitation, Immunoprecipitation, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Acetyl-Histone H4-K91; Polyclonal Antibody; Acetyl-Histone H4-K91 Rabbit pAb; FO108; H4; H4/n; H4F2; H4FN; HIST2H4; Histone H4; HIST1H4A; HIST2H4A; anti-Acetyl-H4-K91 antibody

PRODUCT SPECIFICATIONS

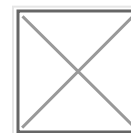
Host	Rabbit
Reactivity	Human, Mouse, Rat, Other (Wide Range)
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-Acetyl-H4-K91 antibody	ChIP (Chromatin immunoprecipitation), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic Peptide of human Acetyl-Histone H4-K91
Cellular Location	Chromosome, Nucleus
Positive Samples	NIH/3T3
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



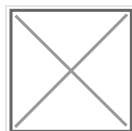
IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H4-K91 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.



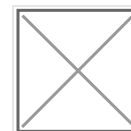
IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using Acetyl-Histone H4-K91 antibody at dilution of 1:100. HeLa 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-K91 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.



WB (Western Blot)

Western blot analysis of extracts of NIH/3T3 cells, using Acetyl-Histone H4-K91 antibody at 1:1000 dilution. NIH/3T3 cells were treated by TSA (1 uM) at 37°C for 18 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 300s.

ADDITIONAL INFORMATION

Related Product Information for anti-Acetyl-H4-K91 antibody	Background: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin 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; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy.
Product Categories/Family for anti-Acetyl-H4-K91 antibody	Epigenetics & Nuclear Signaling ; Epigenetic Modifications ; Methylation ; Research ; Epigenetics & Nuclear Signaling ; Epigenetic Modifications ; Acetylation ; Research ; Epigenetics & Nuclear Signaling ; Epigenetic Modifications ; Phosphorylation ; Acetylated Anti

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/acetyl-histone-h4-k91-antibody-chromatin-immunoprecipitation-immunofluorescence-western-blot-elisa/281567>