

Rabbit H3-K9 Antibody | anti-H3K9ac antibody

Acetyl-Histone H3-K9

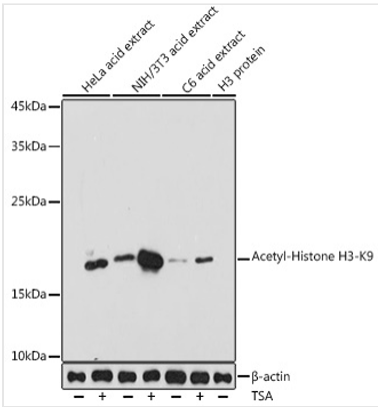
CATALOG #	HOST	APPLICATIONS
AAA28124	Rabbit	Western Blot, Immunohistochemistry, Immunofluorescence, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation

PRODUCT SYNONYMS

H3-K9; Acetyl-Histone H3-K9; H3.4;H3/g; H3FT; H3t; HIST3H3; Histone H3; HIST1H3A; anti-H3K9ac antibody

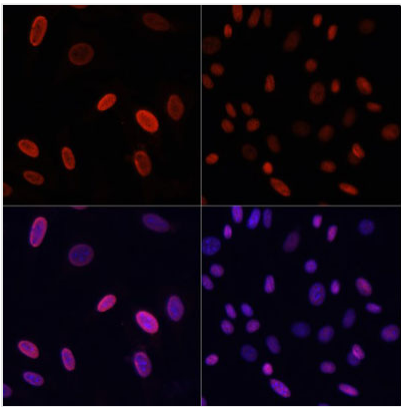
PRODUCT SPECIFICATIONS

Host	Rabbit
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Applicable Applications for anti-H3K9ac antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation), ChIP (Chromatin Immunoprecipitation), ChIP (Chromatin Immunoprecipitation)
Application Notes	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IF: 1:50 - 1:200 IP: 1:50 - 1:200 ChIP: 1:20 - 1:100 ChIPseq: 1:20 - 1:50
Immunogen	A synthetic peptide of human Acetyl-Histone H3-K9
Category	Primary Antibody
Species Reactivity/Cross-Reactivity	Human, Mouse, Rat, Other (Wide Range)
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.



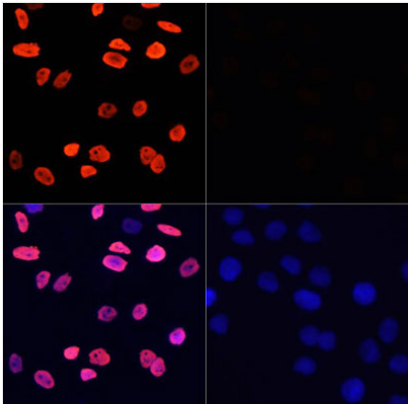
WB (Western Blot)

Western blot analysis of extracts of various cell lines, using Acetyl-Histone H3-K9 antibody at 1:1000 dilution. HeLa cells and NIH/3T3 cells and C6 cells were treated by TSA (1 uM) at 37°C for 18 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit(RM00020) Exposure time: 10s.



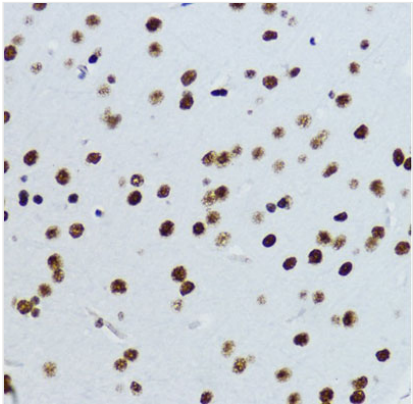
IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H3-K9 antibody (AAA28124) at dilution of 1:100 (40x lens). NIH/3T3 cells were treated by TSA (1 uM) at 37°C for 18 hours (left). Blue: DAPI for nuclear staining



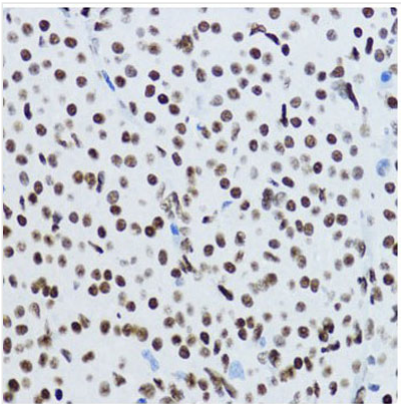
IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using Acetyl-Histone H3-K9 antibody (AAA28124) at dilution of 1:100 (40x lens). HeLa cells were treated by TSA (1 uM) at 37°C for 18 hours (left). Blue: DAPI for nuclear staining.



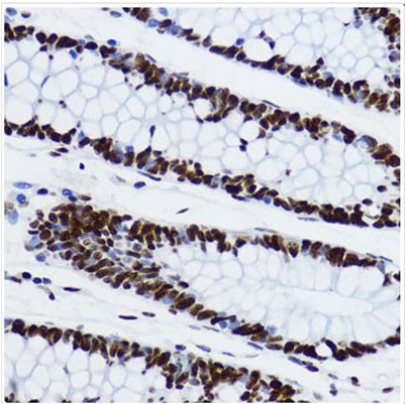
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse brain using Acetyl-Histone H3-K9 antibody (AAA28124) at dilution of 1:200 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat ovary using Acetyl-Histone H3-K9 antibody (AAA28124) at dilution of 1:200 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon using Acetyl-Histone H3-K9 antibody (AAA28124) at dilution of 1:200 (40x lens)

ADDITIONAL INFORMATION

Related Product Information for anti-H3K9ac antibody	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone 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 H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.
Product Categories/Family for anti-H3K9ac antibody	Acetylation

NCBI AND UNIPROT INFORMATION

NCBI GeneID	8290
UniProt Accession #	Q16695
Molecular Weight	Observed MW: 17kDa Calculated MW: 15kDa

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/rabbit-h3k9ac-antibody/h3-k9/28124>