

Rabbit H3-K56 Antibody | anti-H3K56ac antibody

Acetyl-Histone H3-K56

CATALOG #	HOST	APPLICATIONS
AAA279741	Rabbit	Chromatin Immunoprecipitation, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation, Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Western Blot

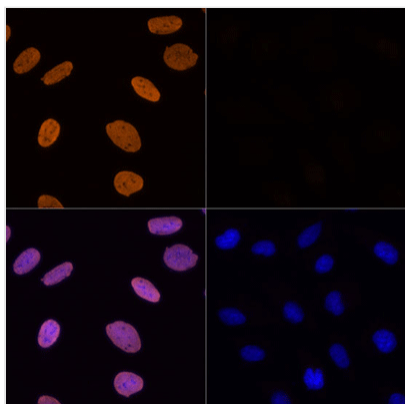
PRODUCT SYNONYMS

H3-K56; Acetyl-Histone H3-K56; H3.4;H3/g;H3FT;H3t;HIST3H3;Histone H3;HIST1H3A; anti-H3K56ac antibody

PRODUCT SPECIFICATIONS

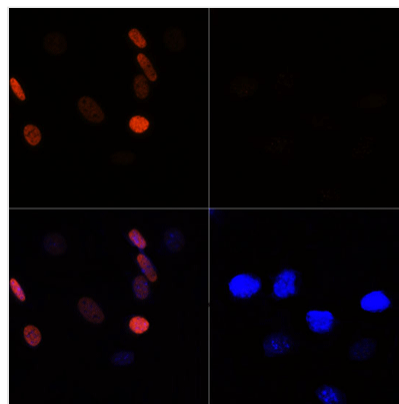
Host	Rabbit
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide,50% glycerol,pH7.3.
Applicable Applications for anti-H3K56ac antibody	ChIP (Chromatin immunoprecipitation), ChIP (Chromatin immunoprecipitation), IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human Acetyl-Histone H3-K56
Cross-Reactivity	Human, Mouse, Rat, Other (wide range)
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



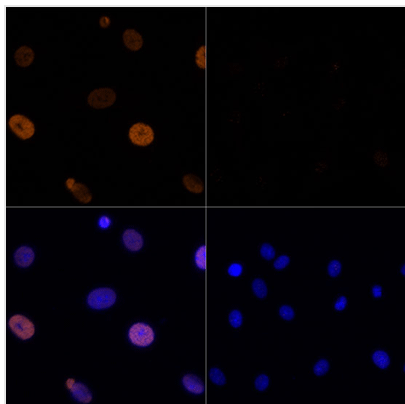
IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using Acetyl-Histone H3-K56 Rabbit pAb (A7256) at dilution of 100 (40x lens). U-2 OS cells were treated by TSA (1 μ M) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



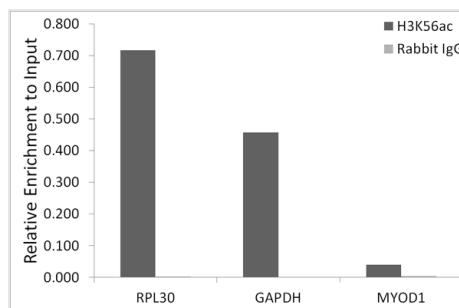
IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H3-K56 antibody (AAA279741) at dilution of 1:100. NIH/3T3 cells were treated by TSA (1 μ M) at 37°C for 18 hours (left). Blue: DAPI for nuclear staining.



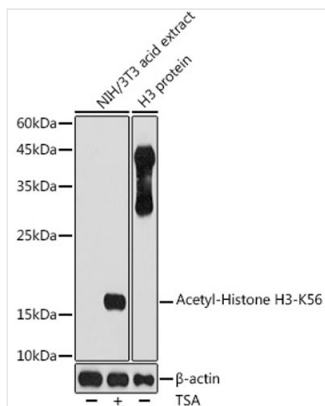
IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using Acetyl-Histone H3-K56 antibody(AAA279741) at dilution of 1:100. C6 cells were treated by TSA (1 uM) at 37°C for 18 hours(left). Blue: DAPI for nuclear staining.



ChIP (Chromatin Immunoprecipitation)

Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Acetyl-Histone H3-K56 antibody (AAA279741) 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.



WB (Western Blot)

Western blot analysis of extracts of NIH/3T3 cells, using Acetyl-Histone H3-K56 antibody (AAA279741) 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) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s

ADDITIONAL INFORMATION

Related Product Information for anti-H3K56ac 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-H3K56ac antibody

Acetylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	743667947
NCBI GeneID	8290
Molecular Weight	Observed MW: 17KDa Calculated MW: 15KDa
NCBI Official Full Name	histone H3-K56 acetyltransferase, RTT109, partial
NCBI Official Synonym Full Names	histone cluster 3, H3

NCBI Official Symbol	HIST3H3
NCBI Official Synonym Symbols	H3t; H3.4; H3/g; H3FT
NCBI Protein Information	histone H3.1t; H3/t; histone 3, H3; H3 histone family, member T
UniProt Protein Name	Histone H3.1t
UniProt Gene Name	HIST3H3
UniProt Synonym Gene Names	H3FT; H3/t; H3t
UniProt Entry Name	H31T_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/rabbit-h3k56ac-antibody/h3-k56/279741>