

Rabbit H3K27AC Antibody | anti-H3K27ac antibody

Histone H3K27AC Polyclonal Antibody

CATALOG #	HOST	APPLICATIONS
AAA28163	Rabbit	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation, ELISA

PRODUCT SYNONYMS

H3K27AC; Histone H3K27AC Polyclonal Antibody; Acetyl-Histone H3-K27: H3t; H3.4; H3/g; H3FT; anti-H3K27ac antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Sequence Length	136
Applicable Applications for anti-H3K27ac antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), IP (Immunoprecipitation), ChIP (Chromatin Immunoprecipitation), ChIP (Chromatin Immunoprecipitation), ELISA
Application Notes	WB 1:1000 - 1:5000 IHC-P 1:50 - 1:200 IF/ICC 1:50 - 1:200 IP 0.5ug-4ug antibody for 200ug-400ug extracts of whole cells ELISA Recommended starting concentration is 1 ug/mL. Please optimize the concentration based on your specific assay requirements. ChIP 5ug antibody for 5ug-10ug of Chromatin ChIP-seq 1:20 - 1:100
Species Reactivity / Cross-Reactivity	Human,Mouse,Rat,Other (Wide Range Predicted)
Immunogen	A synthetic acetylated peptide around K27 of human Histone H3 (NP_003520.1).
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



ChIP (Chromatin Immunoprecipitation)

Chromatin immunoprecipitation was performed with cross-linked chromatin from 293T, using Acetyl-Histone H3-K27 Rabbit pAb antibody (AAA28163) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram constructed the ratios of the ratio of the immunoprecipitated DNA versus the input.



IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells treated by TSA (upper left) and untreated U-2 OS cells (upper right) using Acetyl-Histone H3-K27 Rabbit pAb (red, AAA28163) at dilution of 1:100. Blue: DAPI for nuclear staining.



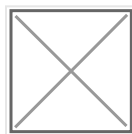
IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells treated by TSA (upper left) and untreated NIH-3T3 cells (upper right) using Acetyl-Histone H3-K27 Rabbit pAb (red, AAA28163) at dilution of 1:100. Blue: DAPI for nuclear staining.



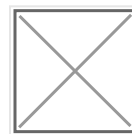
IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells treated by TSA (upper left) and untreated C6 cells (upper right) using Acetyl-Histone H3-K27 Rabbit pAb (red, AAA28163) at dilution of 1:100. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat lung using Acetyl-Histone H3-K27 Rabbit pAb (AAA28163) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse lung using Acetyl-Histone H3-K27 Rabbit pAb (AAA28163) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

ADDITIONAL INFORMATION

Related Product Information for anti-H3K27ac 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 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-H3K27ac antibody	Acetylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	18202512
NCBI GeneID	8290
UniProt Accession #	Q16695 ; Q6FGU4 ; B2R5K3
Molecular Weight	Observed MW: 17kDa Calculated MW: 15kDa
NCBI Official Full Name	Histone H3.1t
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.