

Mouse TriMethyl-Histone H3-K27 Polyclonal Antibody | anti-H3-K27 antibody

TriMethyl-Histone H3-K27 Mouse mAb

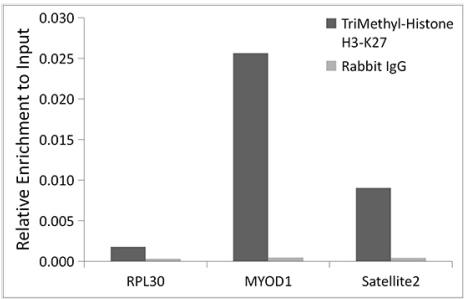
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28417	Mouse	Human, Mouse, Rat, Other (Wide Range)	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation

PRODUCT SYNONYMS

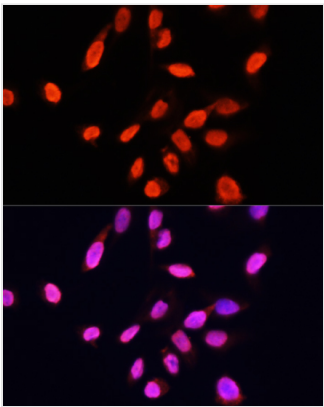
TriMethyl-Histone H3-K27; Polyclonal Antibody; TriMethyl-Histone H3-K27 Mouse mAb; H3.4; H3/g; H3FT; H3t; HIST3H3; Histone H3; HIST1H3A; anti-H3-K27 antibody

PRODUCT SPECIFICATIONS

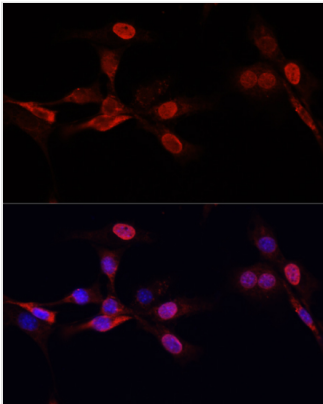
Host	Mouse
Reactivity	Human, Mouse, Rat, Other (Wide Range)
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.01% thiomersal, 50% glycerol, pH7.3.
Sequence	KMNVPEMNE VLDMSDDEVK KANAPEMLSD GEYISDVEEG EDAMTGDTDK YLGPQDLKEL GDDSLPAEGY MGFSLGARSA SLRSFSSDRS YTLNRSSYAR DSMMEELLV PSKEQHLTFT REFDSDSLRLH YSWAADTLDN VNLVS
Applicable Applications for anti-H3-K27 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), IP (Immunoprecipitation), ChIP (Chromatin Immunoprecipitation)
Application Notes	WB: 1:500-1:2000 IHC 1:50-1:200 IF/ICC: 1:50-1:200 IP: 1:50-1:200 ChIP: 1:20-1:100 CUT&Tag: 10 ⁶ cells /1 ug Customer Validation: WB (Mus musculus, Sus scrofa, Homo sapiens) CHIP (Oryza sativa) IF (Mus musculus) ChIP (Oryza sativa)
Positive Samples	HeLa, NIH/3T3, C6, H3 protein
Immunogen	A synthetic methylated peptide corresponding to residues surrounding K27 of human histone H3
Cellular Location	Chromosome, Nucleus
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



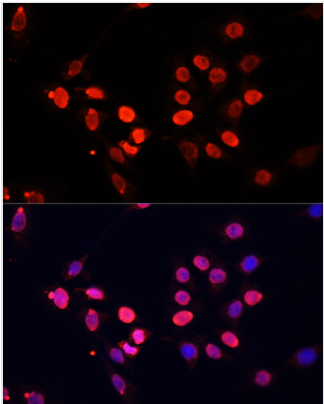
ChIP (Chromatin Immunoprecipitation)
Chromatin immunoprecipitation analysis of extracts of HeLa; cells, using TriMethyl-Histone H3-K27 Mouse mAb antibody and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



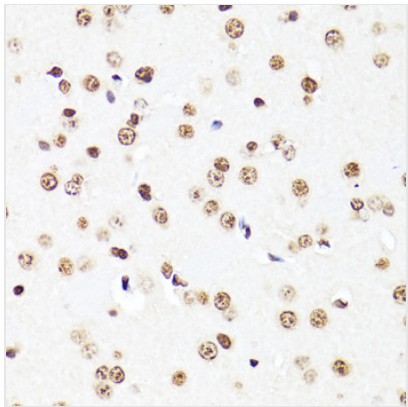
IF (Immunofluorescence)
Immunofluorescence analysis of U-2OS cells using TriMethyl-Histone H3-K27 antibody at dilution of 1:25. Blue: DAPI for nuclear staining.



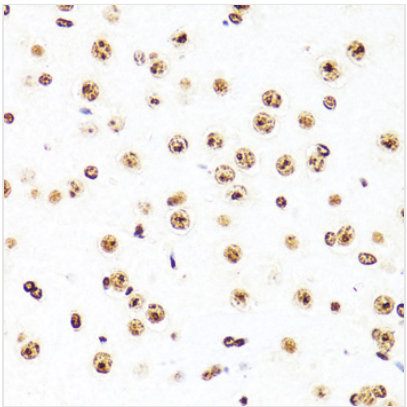
IF (Immunofluorescence)
Immunofluorescence analysis of NIH/3T3 cells using TriMethyl-Histone H3-K27 antibody at dilution of 1:25. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)
Immunofluorescence analysis of C6 cells using TriMethyl-Histone H3-K27 antibody at dilution of 1:25. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded rat brain using TriMethyl-Histone H3-K27 antibody at dilution of 1:25 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse brain using TriMethyl-Histone H3-K27 antibody at dilution of 1:25 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

ADDITIONAL INFORMATION

Related Product Information for anti-H3-K27 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-H3-K27 antibody	Signal Transduction; MAPK-Erk Signaling Pathway; MAPK-P38 Signaling Pathway; Epigenetics & Nuclear Signaling; Epigenetic Modifications; Methylation; Methylated Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	32967599
NCBI GeneID	288
NCBI Accession #	NP_001140.2
NCBI GenBank Nucleotide #	NM_001149.3
UniProt Accession #	Q12955; Q13484; Q5CZH9; Q5VXD5; Q7Z3G4; Q9H0P5; B1AQT2; B4DIL1; E9PE32
Molecular Weight	160,947 Da
NCBI Official Full Name	ankyrin-3 isoform 2
NCBI Official Synonym Full Names	ankyrin 3, node of Ranvier (ankyrin G)
NCBI Official Symbol	ANK3
NCBI Official Synonym Symbols	MRT37; ANKYRIN-G
NCBI Protein Information	ankyrin-3; ankyrin G119
UniProt Protein Name	Ankyrin-3
UniProt Gene Name	ANK3
UniProt Synonym Gene Names	ANK-3
UniProt Entry Name	ANK3_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/trimethyl-histone-h3-k27-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-immunoprecipitation-chromatin-immunoprecipitation-elisa/28417>