

Rabbit H3K27me2 Antibody | anti-H3K27me2 antibody

Histone H3K27me2 Polyclonal Antibody

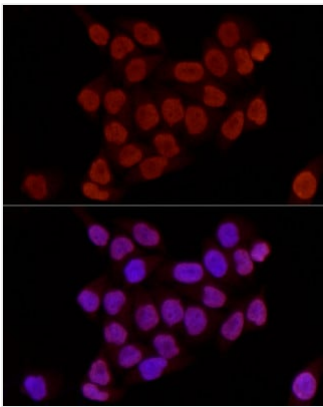
CATALOG #	HOST	APPLICATIONS
AAA10663	Rabbit	Western Blot, Immunohistochemistry, Immunofluorescence, Immunoprecipitation, Immunocytochemistry, Dot Blot, ELISA, Chromatin Immunoprecipitation, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation

PRODUCT SYNONYMS

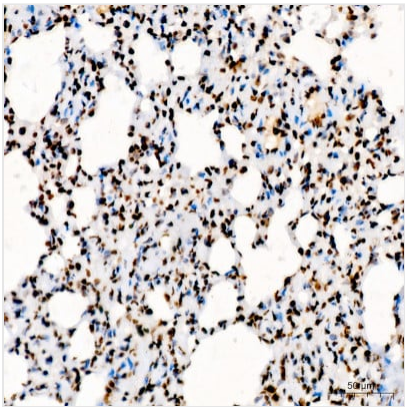
H3K27me2; Histone H3K27me2 Polyclonal Antibody; H3t; H3.4; H3/g; H3FT; H3C16; HIST3H3; DiMethyl-Histone H3-K27; anti-H3K27me2 antibody

PRODUCT SPECIFICATIONS

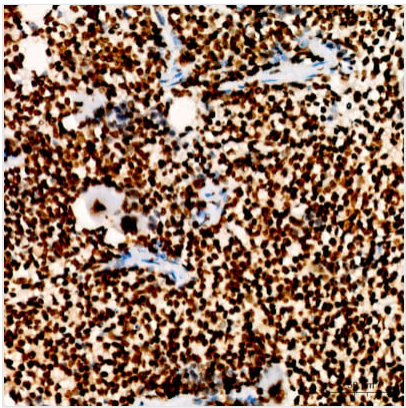
Host	Rabbit
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Sequence Length	136
Applicable Applications for anti-H3K27me2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation), ICC (Immunocytochemistry), DB (Dot Blot), ELISA, ChIP (Chromatin Immunoprecipitation), ChIP (Chromatin Immunoprecipitation)
Application Notes	WB 1:500 - 1:1000 DB 1:500 - 1:1000 IHC-P 1:50 - 1:200 IF/ICC 1:50 - 1:200 ELISA: Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. ChIP: 5µg antibody for 5µg-10µg of Chromatin ChIP-seq 1:20 - 1:100
Cross-Reactivity	Human, Mouse, Rat (Wide Range Predicted)
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human histone H3 (NP_003520.1).
Preparation and Storage	Store at -20°C. Avoid repeated freeze/thaw cycles



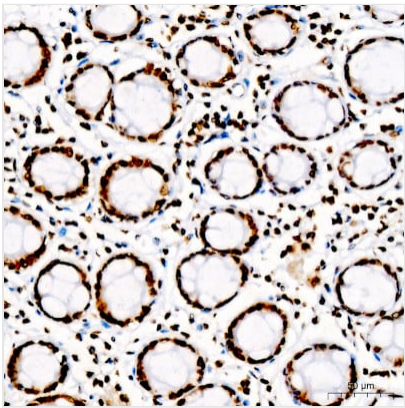
IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cells using DiMethyl-Histone H3-K27 Rabbit pAb (AAA10663) at dilution of 1:20 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



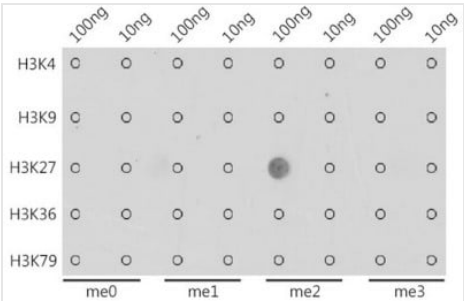
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Rat lung tissue using DiMethyl-Histone H3-K27 Rabbit pAb (AAA10663) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



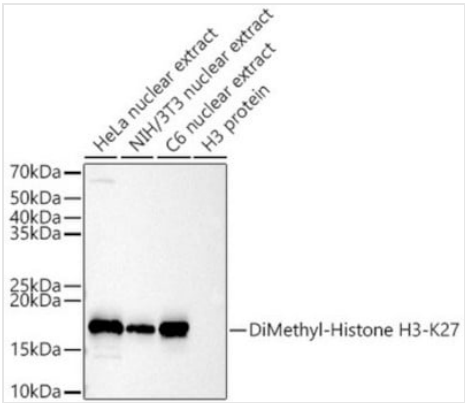
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using DiMethyl-Histone H3-K27 Rabbit pAb (AAA10663) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using DiMethyl-Histone H3-K27 Rabbit pAb (AAA10663) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



DB (Dot Blot)
Dot-blot analysis of all sorts of methylation peptides using DiMethyl-Histone H3-K27 antibody (AAA10663) at 1:1000 dilution.



WB (Western Blot)
Western blot analysis of various lysates, using DiMethyl-Histone H3-K27 Rabbit pAb (AAA10663) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-H3K27me2 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-H3K27me2 antibody	Methylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	18202512
NCBI GeneID	8290
UniProt Accession #	Q16695; Q6FGU4; B2R5K3
Molecular Weight	Observed MW: 17kDa Calculated MW: 16kDa
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.