

Rabbit anti-Human Asymmetric DiMethyl-Histone H3-R17 Polyclonal Antibody | anti-H3C1 antibody

Asymmetric DiMethyl-Histone H3-R17 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283349	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

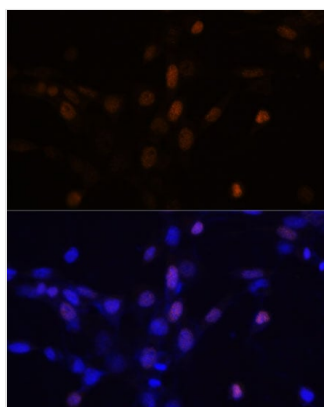
PRODUCT SYNONYMS

Asymmetric DiMethyl-Histone H3-R17; Polyclonal Antibody; Asymmetric DiMethyl-Histone H3-R17 Rabbit pAb; H3/A; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FA; H3C10; H3C11; H3C12; HIST1H3A; anti-H3C1 antibody

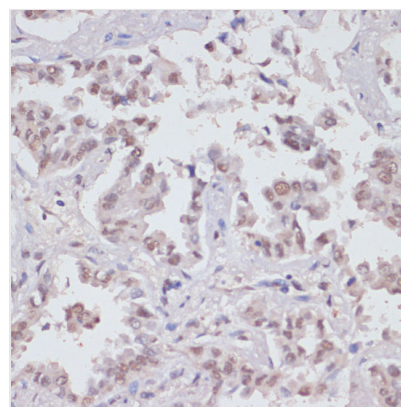
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.01% thimerosal, 50% glycerol, pH7.3.
Sequence	APRKQ
Applicable Applications for anti-H3C1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat, Other (Wide Range Predicted)
Immunogen	A synthetic asymmetric dimethylated peptide around R17 of human Histone H3 (NP_003520.1).
Modification	Asymmetric DiMethyl R17
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

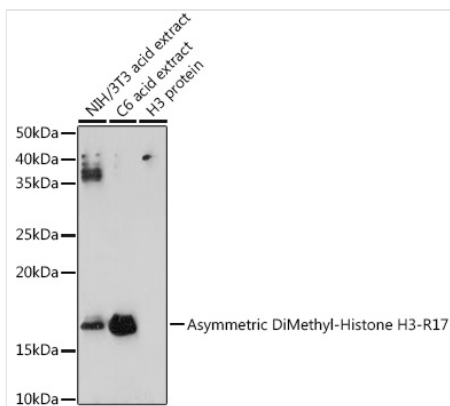
IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using Asymmetric DiMethyl-Histone H3-R17 Rabbit pAb (AAA283349) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.


IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Asymmetric DiMethyl-Histone H3-R17 Rabbit pAb (AAA283349) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



WB (Western Blot)

Western blot analysis of various lysates using Asymmetric DiMethyl-Histone H3-R17 Rabbit pAb (AAA283349) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-H3C1 antibody

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 found in the large histone gene cluster on chromosome 6p22-p21.3.

Product Categories/Family for anti-H3C1 antibody

Protein phosphorylation; Signal Transduction; MAPK-Erk Signaling Pathway; Cell Biology Developmental Biology; Cell Cycle; Immunology Inflammation; NF-kB Signaling Pathway; Methylated Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504299
NCBI GeneID	8290/8350
NCBI Accession #	NP_003484.1
NCBI GenBank Nucleotide #	NM_003493.2
UniProt Accession #	Q16695; P68431
Molecular Weight	Calculated MW: 15kDa Observed MW: 17kDa
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/polyclonal/asymmetric-dimethyl-histone-h3-r17-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/283349>