

Rabbit DNMT1 Polyclonal Antibody | anti-DNMT1 antibody

DNMT1 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28351	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Chromatin Immunoprecipitation, Immunoprecipitation

PRODUCT SYNONYMS

DNMT1; Polyclonal Antibody; DNMT1 Rabbit pAb; ADCADN; AIM; CXXC9; DNMT; HSN1E; MCMT; m.Hsal; anti-DNMT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-DNMT1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ChIP (Chromatin Immunoprecipitation)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200 ChIP: 1:20-1:100
Immunogen	Recombinant fusion protein of Human DNMT1.
Cellular Location	Nucleus
Positive Samples	Jurkat
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



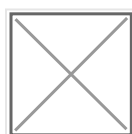
ChIP (Chromatin Immunoprecipitation)

Chromatin immunoprecipitation analysis of extracts of Jurkat cells, using DNMT1 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.



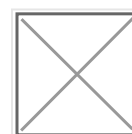
IP (Immunoprecipitation)

Immunoprecipitation analysis of 300ug extracts of Jurkat cells using 3ug DNMT1 antibody. Western blot was performed from the immunoprecipitate using DNMT1 antibody at a dilution of 1:1000.



IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using DNMT1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse spleen using DNMT1 antibody at dilution of 1:200 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human tonsil using DNMT1 antibody at dilution of 1:200 (40x lens).

**WB (Western Blot)**

Western blot analysis of extracts of Jurkat cells, using DNMT1 antibody at 1:1000 dilution. Secondary antibody: HRP 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 Basic Kit (RM00020). Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-DNMT1 antibody	Background: This gene encodes an enzyme that transfers methyl groups to cytosine nucleotides of genomic DNA. This protein is the major enzyme responsible for maintaining methylation patterns following DNA replication and shows a preference for hemi-methylated DNA. Methylation of DNA is an important component of mammalian epigenetic gene regulation. Aberrant methylation patterns are found in human tumors and associated with developmental abnormalities. Variation in this gene has been associated with cerebellar ataxia, deafness, and narcolepsy, and neuropathy, hereditary sensory, type IE. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]
Product Categories/Family for anti-DNMT1 antibody	Epigenetics & Nuclear Signaling ; Epigenetic writers and erasers of core Histones ; DNA methylation ; Research ; Protein phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	12231019
NCBI GeneID	1786
UniProt Accession #	P26358 ; Q9UHG5 ; Q9ULA2 ; Q9UMZ6 ; A0AV63 ; B7ZLW6
Molecular Weight	1616
NCBI Official Full Name	DNA (cytosine-5)-methyltransferase 1
NCBI Official Synonym Full Names	DNA (cytosine-5-)-methyltransferase 1
NCBI Official Symbol	DNMT1
NCBI Official Synonym Symbols	AIM; DNMT; MCMT; CXXC9; HSN1E; ADCADN
NCBI Protein Information	DNA (cytosine-5)-methyltransferase 1; DNA (cytosine-5)-methyltransferase 1; m.HsaI; DNA MTase HsaI; DNA methyltransferase HsaI; CXXC-type zinc finger protein 9
UniProt Protein Name	DNA (cytosine-5)-methyltransferase 1
UniProt Gene Name	DNMT1
UniProt Synonym Gene Names	AIM; CXXC9; DNMT; Dnmt1; DNA MTase HsaI; M.HsaI
UniProt Entry Name	DNMT1_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/dnmt1-antibody-western-blot-immunohistochemistry-immunofluorescence-chromatin-immunoprecipitation-elisa/28351>