

Rabbit anti-Human DNMT1 Monoclonal Antibody | anti-DNMT1 antibody

[KD Validated] DNMT1 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282786	Rabbit	Human	ELISA, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

DNMT1; Monoclonal Antibody; [KD Validated] DNMT1 Rabbit mAb; AIM; DNMT; MCMT; CXXC9; HSN1E; ADCADN; m.Hsal; [KD Validated] DNMT1; anti-DNMT1 antibody

PRODUCT SPECIFICATIONS

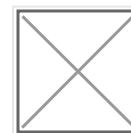
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MPARTAPARV PTLAVPAISL PDDVRRRLKD LERDSLTEKE CVKEKLNLLH EFLQTEIKNQ LCDLETCLRK EELSEEGYLA KVKSLNNDL SLENGAHAYN
Applicable Applications for anti-DNMT1 antibody	ELISA, IP (Immunoprecipitation), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human DNMT1 (NP_001370.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



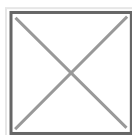
IP (Immunoprecipitation)

Immunoprecipitation of DNMT1 from 300 ug extracts of Jurkat cells was performed using 3 ug of DNMT1 Rabbit mAb (AAA282786). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using DNMT1 Rabbit mAb (AAA282786) at a dilution of 1:1000.



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and DNMT1 knockdown (KD) 293T cells, using [KD Validated] DNMT1 Rabbit mAb (AAA282786) 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 Basic Kit (RM00020). Exposure time: 30s.



WB (Western Blot)

Western blot analysis of various lysates using [KD Validated] DNMT1 Rabbit mAb (AAA282786) at 1:1000 dilution incubated overnight at 4?. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30 s.

ADDITIONAL INFORMATION

Related Product Information for anti-DNMT1 antibody	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.
Product Categories/Family for anti-DNMT1 antibody	Epigenetics Nuclear Signaling; Epigenetic writers and erasers of core Histones; Protein phosphorylation; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	12231019
NCBI GeneID	1786
UniProt Accession #	P26358; Q9UHG5; Q9ULA2; Q9UMZ6; A0AV63; B7ZLW6
Molecular Weight	Calculated MW: 183kDa Observed MW: 200kDa
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/monoclonal/dnmt1-antibody-immunoprecipitation-western-blot-elisa/282786>