

Rabbit anti-Mouse Dnmt1 Polyclonal Antibody | anti-DNMT1 antibody

Dnmt1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198162	Rabbit	Mouse	Western Blot

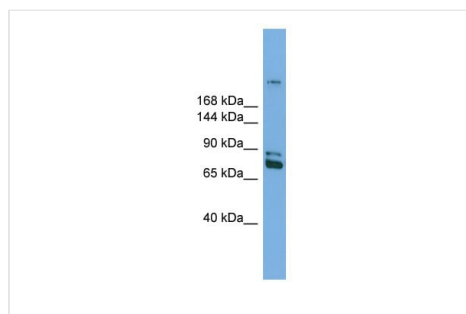
PRODUCT SYNONYMS

Dnmt1; Polyclonal Antibody; Dnmt1 antibody - N-terminal region; anti-DNMT1 antibody

PRODUCT SPECIFICATIONS

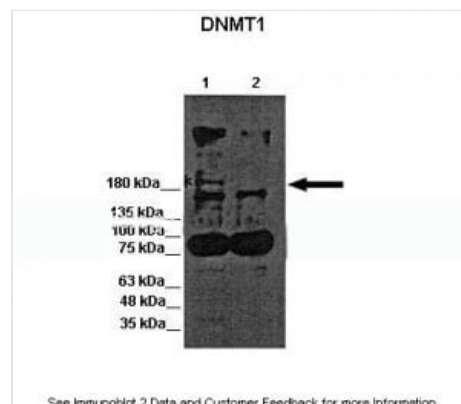
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: SS VATRRTRQT TITAHFTKGP TKRKPKEESE EGNSAESAAE ERDQDKKR
Sequence Length	1619
Applicable Applications for anti-DNMT1 antibody	WB (Western Blot)
Homology	Mouse: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of mouse Dnmt1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

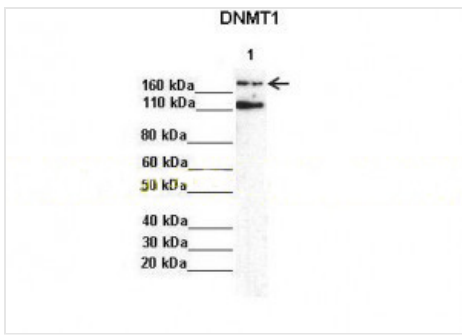

WB (Western Blot)

WB Suggested Anti-Dnmt1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive

Control: Mouse Lung


WB (Western Blot)

Researcher: Austin J. Cooney, Baylor College of Medicine Application: Western blotting Species+ tissue/cell type: Lane 1: 15ug WT mouse ES lysate Lane 2: 15ug DNMT1 KO mouse ES lysate Primary antibody dilution: 1:1000 Secondary antibody: Goat anti-rabbit-HRP Secondary antibody dilution: 1:2500



WB (Western Blot)

Researcher: AnonymousApplication: Western BlottingSpecies+tissue/cell type: Lane 1: 20ug mouse mesenchymal stem cell lysatePrimary antibody dilution: 1:2000Secondary antibody: Anti-rabbit-HRPSecondary antibody dilution: 1:10,000

ADDITIONAL INFORMATION

Related Product Information for anti-DNMT1 antibody	This is a rabbit polyclonal antibody against Dnmt1. It was validated on Western Blot
	Target Description: Dnmt1 methylates CpG residues.Dnmt1 preferentially methylates hemimethylated DNA. Dnmt1 associates with DNA replication sites in S phase maintaining the methylation pattern in the newly synthesized strand, that is essential for epigenetic inheritance.Dnmt1 associates with chromatin during G2 and M phases to maintain DNA methylation independently of replication. It is responsible for maintaining methylation patterns established in development. DNA methylation is coordinated with methylation of histones.Dnmt1 mediates transcriptional repression by direct binding to HDAC2. In association with DNMT3B and via the recruitment of CTCFL/BORIS, Dnmt1 is involved in activation of BAG1 gene expression by modulating dimethylation of promoter histone H3 at H3K4 and H3K9.
Product Categories/Family for anti-DNMT1 antibody	Polyclonal ; Transcription Factor ; Signal Proteins ; Transcription Regulation ; Drugs and Drug Metabolism ; Chromatin & Nuclear Signaling ; Disease Related ; DNA/RNA/Protein Interactions ; Methylation ; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	327180734
NCBI GeneID	13433
NCBI Accession #	NP_034196
NCBI GenBank Nucleotide #	NM_010066
UniProt Accession #	P13864
Molecular Weight	183kDa
NCBI Official Full Name	DNA (cytosine-5)-methyltransferase 1 isoform 2
NCBI Official Synonym Full Names	DNA methyltransferase (cytosine-5) 1
NCBI Official Symbol	Dnmt1
NCBI Official Synonym Symbols	Dnmt; MCMT; Met1; Cxxc9; MTase; Met-1; Dnmt1o; m.Mmul; MommeD2
NCBI Protein Information	DNA (cytosine-5)-methyltransferase 1
UniProt Protein Name	DNA (cytosine-5)-methyltransferase 1
UniProt Gene Name	Dnmt1
UniProt Synonym Gene Names	Dnmt; Met1; Uim; Dnmt1; Met-1; DNA MTase Mmul; M.Mmul
UniProt Entry Name	DNMT1_MOUSE

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://www.aaabiotech.com/polyclonal/dnmt1-antibody-western-blot-elisa/198162>