

Rabbit anti-Human, mouse Dnmt2 Polyclonal Antibody | anti-Trdmt1 antibody

Mouse Dnmt2 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284563	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

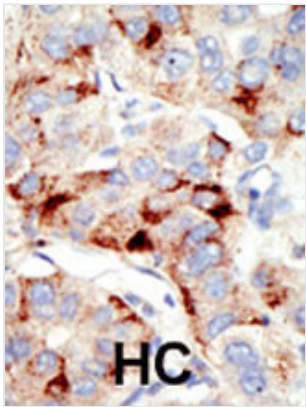
PRODUCT SYNONYMS

Dnmt2; Polyclonal Antibody; Mouse Dnmt2 Antibody (N-term); tRNA (cytosine(38)-C(5))-methyltransferase; DNA (cytosine-5)-methyltransferase-like protein 2; DNA methyltransferase homolog MmullP; DNA MTase homolog MmullP; MMmullP; Met-2; Trdmt1; Met2; anti-Trdmt1 antibody

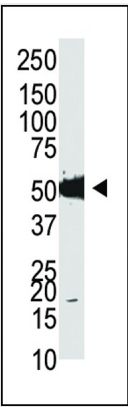
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Dnmt2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 201-230 amino acids from the N-terminal region of mouse Dnmt2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	201-230
Sequence Length	415
Applicable Applications for anti-Trdmt1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	MOUSE
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of anti-mDnmt2 Pab in HL-60 cell lysate. mDnmt2 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-Trdmt1 antibody	mDnmt2 does not appear to be active as a DNA methyltransferase; however, its strong binding to DNA suggests that it may mark specific sequences in the genome by binding to DNA through the specific target-recognizing motif. mDnmt2 is strongly expressed in thymus, testis, and at much lower levels in spleen, lung, brain, heart, kidney, liver, skeletal muscle and embryonic stem cells. This protein belongs to the 5-cytosine methyltransferase family.
References	Yoder, J.A., et al., Hum. Mol. Genet. 7(2):279-284 (1998). Okano, M., et al., Nucleic Acids Res. 26(11):2536-2540 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	161016803
NCBI GeneID	13434
NCBI Accession #	NP_034197.3
NCBI GenBank Nucleotide #	NM_010067.4
UniProt Accession #	O55055; O35212
Molecular Weight	46794
NCBI Official Full Name	tRNA (cytosine(38)-C(5))-methyltransferase
NCBI Official Synonym Full Names	tRNA aspartic acid methyltransferase 1
NCBI Official Symbol	Trdmt1
NCBI Official Synonym Symbols	Dnmt2; Rnmt2
NCBI Protein Information	tRNA (cytosine(38)-C(5))-methyltransferase
UniProt Protein Name	tRNA (cytosine(38)-C(5))-methyltransferase
UniProt Gene Name	Trdmt1
UniProt Synonym Gene Names	Dnmt2; Met2; Dnmt2; DNA MTase homolog MmulIP; M.MmulIP
UniProt Entry Name	TRDMT_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.

