

Rabbit anti-Human Dnmt3b Polyclonal Antibody | anti-DNMT3B antibody

Dnmt3b Antibody

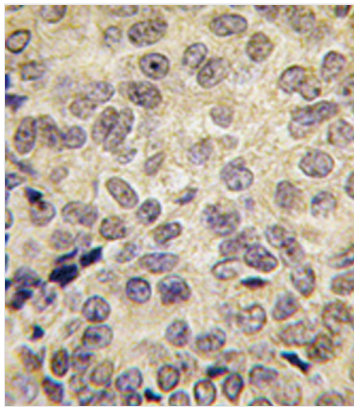
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285115	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

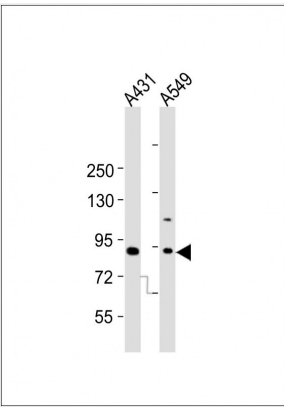
Dnmt3b; Polyclonal Antibody; Dnmt3b Antibody; DNA (cytosine-5)-methyltransferase 3B; DNA methyltransferase HsaIIIB; DNA MTase HsaIIIB; MHsaIIIB; DNMT3B; anti-DNMT3B antibody

PRODUCT SPECIFICATIONS

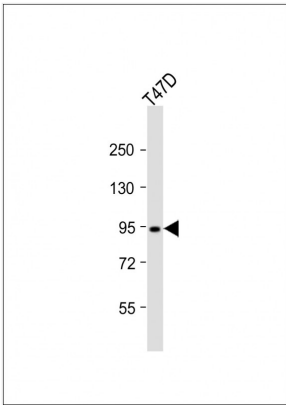
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Dnmt3b antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 389-417 amino acids from human Dnmt3b.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified 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	389-417
Sequence Length	728
Applicable Applications for anti-DNMT3B antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
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.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with Dnmt3b 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.



WB (Western Blot)
All lanes : Anti-Dnmt3b Antibody (C403) at 1:2000 dilutionLane 1: A431 whole cell lysatesLane 2: A549 whole cell lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 95 kDaBlocking/Dilution buffer: 5% NFDN/TBST.



WB (Western Blot)
Anti-Dnmt3b Antibody (C403)at 1:2000 dilution + T47D whole cell lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 95 kDaBlocking/Dilution buffer: 5% NFDN/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-DNMT3B antibody	CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. Dnmt3b is a DNA methyltransferase which is thought to function in de novo methylation, rather than maintenance methylation. The protein localizes primarily to the nucleus and its expression is developmentally regulated. Mutations in this gene cause the immunodeficiency-centromeric instability-facial anomalies (ICF)syndrome.
References	Okano, M., et al., Cell 99(3):247-257 (1999). Yin, B., et al., Zhongguo Yi Xue Ke Xue Yuan Xue Bao 21(6):431-438 (1999). Okano, M., et al., Nat. Genet. 19(3):219-220 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	333440487
NCBI GeneID	1789
NCBI Accession #	NP_001193984.1; NP_001193985.1; NP_008823.1; NP_787044.1; NP_787045.1; NP_787046.1
NCBI GenBank Nucleotide #	NM_001207055.1
UniProt Accession #	Q9UBC3; Q9UBD4; Q9UJQ5; Q9UKA6; Q9UNE5; A2A2E2; B4DSM8; B4DSU1; E1P5M6; E1P5M7; E7EN63; E9PBF2

Molecular Weight	95751
NCBI Official Full Name	DNA (cytosine-5)-methyltransferase 3B isoform 7
NCBI Official Synonym Full Names	DNA (cytosine-5-)-methyltransferase 3 beta
NCBI Official Symbol	DNMT3B
NCBI Official Synonym Symbols	ICF; ICF1; M.HsaIIIB
NCBI Protein Information	DNA (cytosine-5)-methyltransferase 3B
UniProt Protein Name	DNA (cytosine-5)-methyltransferase 3B
UniProt Gene Name	DNMT3B
UniProt Synonym Gene Names	Dnmt3b; DNA MTase HsaIIIB; M.HsaIIIB
UniProt Entry Name	DNM3B_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/dnmt3b-antibody-immunohistochemistry-western-blot-elisa/285115>