

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

DNMT3B Antibody

CATALOG # AAA232302	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	728
Applicable Applications for anti-DNMT3B antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human DNA (cytosine-5)-methyltransferase 3B protein
Conjugate	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-10236 / sc-10235 / sc-130740 / sc-20704
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of HepG2 cells using AAA232302 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testis tissue using AAA232302 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney tissue using AAA232302 at dilution of 1:100



WB (Western Blot)

Western blotAll lanes: DNMT3B antibody at 14 ug/ml+ Hela whole cell lysateSecondaryGoat polyclonal to rabbit IgG at 1/10000 dilutionPredicted band size: 96,94,87,81,89,95,78,82 kDaObserved band size: 96,37 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-DNMT3B antibody

Required for genome-wide de novo methylation and is essential for the establishment of DNA methylation patterns during development. DNA methylation is coordinated with methylation of histones. May preferentially methylates nucleosomal DNA within the nucleosome core region. May function as transcriptional co-repressor by associating with CBX4 and independently of DNA methylation. Seems to be involved in gene silencing (By similarity). In association with DNMT1 and via the recruitment of CTCFL/BORIS, involved in activation of BAG1 gene expression by modulating dimethylation of promoter histone H3 at H3K4 and H3K9. Isoforms 4 and 5 are probably not functional due to the deletion of two conserved methyltransferase motifs. Function as transcriptional corepressor by associating with ZHX1.

NCBI AND UNIPROT INFORMATION

NCBI GI #	333440487
NCBI GeneID	1789
NCBI Accession #	NP_001193984.1
NCBI GenBank Nucleotide #	NM_001207055.1
UniProt Accession #	Q9UBC3; Q9UBD4; Q9UJQ5; Q9UKA6; Q9UNE5; A2A2E2; B4DSM8; B4DSU1; E1P5M6; E1P5M7; E7EN63; E9PBF2
Molecular Weight	81,311 Da
NCBI Official Full Name	DNA (cytosine-5)-methyltransferase 3B isoform 7
NCBI Official Synonym Full Names	DNA 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/232302>