

Rabbit anti-Human, Mouse DNMT3A Polyclonal Antibody | anti-DNMT3A antibody

Rabbit anti-DNMT3A Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212591	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

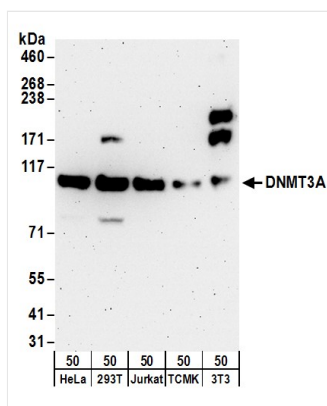
PRODUCT SYNONYMS

DNMT3A; Polyclonal Antibody; Rabbit anti-DNMT3A Antibody; Affinity Purified; DNA methyltransferase HsaIIIA; TBRS; M.HsaIIIA; DNMT3A2; DNA MTase HsaIIIA; DNA cytosine methyltransferase 3A2; DNA (cytosine-5)-methyltransferase 3A; DNA (cytosine-5-)-methyltransferase 3 alpha; Dnmt3a; DNA methyltransferase 3 alpha; anti-DNMT3A antibody

PRODUCT SPECIFICATIONS

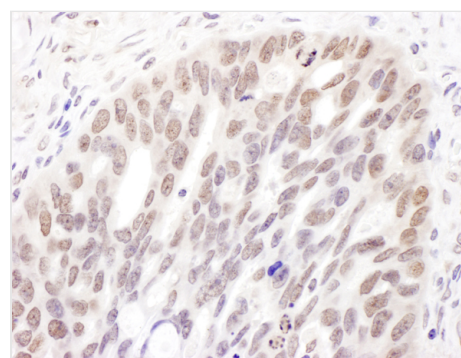
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-DNMT3A antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Between 125 and 175
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human and mouse DNMT3A by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells. Antibodies: Affinity purified rabbit anti-DNMT3A antibody AAA212591 (lot AAA212591-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IHC (Immunohistochemistry)

Detection of human DNMT3A by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-DNMT3A (Cat. No. AAA212591 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB. Counterstain: Hematoxylin (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-DNMT3A antibody	DNA cytosine methyltransferase 3A2 (DNMT3A) is 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. DNMT3A modifies DNA in a non-processive manner and also methylates non-CpG sites. It may preferentially methylate DNA linker between 2 nucleosomal cores and is inhibited by histone H1. DNMT3A plays a role in paternal and maternal imprinting and is required for methylation of most imprinted loci in germ cells [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q9Y6K1].
Product Categories/Family for anti-DNMT3A antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	28559069
NCBI GeneID	1788
NCBI Accession #	NP_783328.1; NP_715640.2
NCBI GenBank Nucleotide #	NM_175629.2
UniProt Accession #	Q9Y6K1; Q86TE8; Q86XF5; Q8IZV0; Q8WXU9; E9PEB8
Molecular Weight	101858 Da
NCBI Official Full Name	DNA (cytosine-5)-methyltransferase 3A isoform a
NCBI Official Synonym Full Names	DNA (cytosine-5-)-methyltransferase 3 alpha
NCBI Official Symbol	DNMT3A
NCBI Official Synonym Symbols	TBRS; DNMT3A2; M.HsaIIIA
NCBI Protein Information	DNA (cytosine-5)-methyltransferase 3A
UniProt Protein Name	DNA (cytosine-5)-methyltransferase 3A
UniProt Gene Name	DNMT3A
UniProt Synonym Gene Names	Dnmt3a; DNA MTase HsaIIIA; M.HsaIIIA
UniProt Entry Name	DNM3A_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/dnmt3a-antibody-immunohistochemistry-western-blot-elisa/212591>