

Rabbit Dnmt3a Polyclonal Antibody | anti-DNMT3A antibody

Dnmt3a Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289756	Rabbit	Human (Predicted Reactivity: Chicken, Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

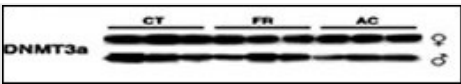
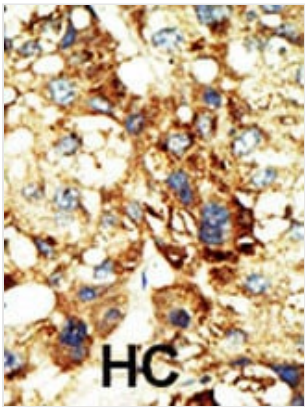
PRODUCT SYNONYMS

Dnmt3a; Polyclonal Antibody; Dnmt3a Antibody; DNA (cytosine-5)-methyltransferase 3A; DNA methyltransferase HsaIIIA; DNA MTase HsaIIIA; MHsaIIIA; DNMT3A; anti-DNMT3A antibody

PRODUCT SPECIFICATIONS

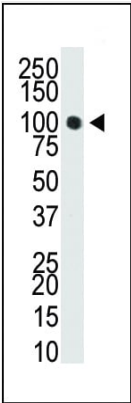
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Chicken, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Dnmt3a antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 457-486 amino acids from human Dnmt3a.
Purity/Purification	Purified Rabbit 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	457-486
Sequence Length	912
Applicable Applications for anti-DNMT3A 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.

IMAGES



WB (Western Blot)
Lysates from thymus tissue after radiation were subjected to WB using antibody against DNMT3a. CT, control animals; FR, animals subjected to fractionated exposure; AC, acutely exposed animals. All sample loading was normalized to protein content. Representative Western blots from three independent experiments are shown; each lane represents a protein extract of a thymus of one animal. (Mol. Cancer Res. 2005 Oct 01;3(10):553-561

IHC (Immunohistochemisry)
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-Dnmt3a Pab in T47-D cell lysate. Dnmt3a (Arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-DNMT3A 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. Dnmt3a is a DNA methyltransferase that is thought to function in de novo methylation, rather than maintenance methylation. The protein localizes to the cytoplasm and nucleus and its expression is developmentally regulated.
References	Xie, S., et al., Gene 236(1):87-95 (1999). Robertson, K.D., et al., Nucleic Acids Res. 27(11):2291-2298 (1999).

NCBI AND UNIPROT INFORMATION

NCBI GI #	12751473
NCBI GeneID	1788
NCBI Accession #	NP_072046.2; NP_715640.2; NP_783328.1; NP_783329.1
NCBI GenBank Nucleotide #	NM_022552.4
UniProt Accession #	Q9Y6K1; Q86TE8; Q86XF5; Q8IZV0; Q8WXU9; E9PEB8
Molecular Weight	101858

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://www.aaabiotech.com/polyclonal/dnmt3a-antibody-immunohistochemistry-western-blot-elisa/289756>