

Rabbit anti-Human DNMT3A Monoclonal Antibody | anti-DNMT3A antibody

[KO Validated] DNMT3A Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282782	Rabbit	Human	ELISA, Immunoprecipitation, Western Blot

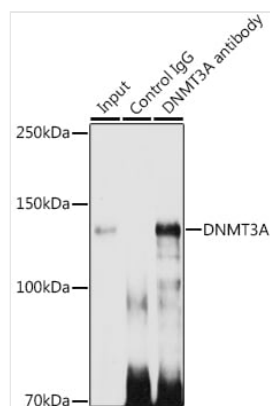
PRODUCT SYNONYMS

DNMT3A; Monoclonal Antibody; [KO Validated] DNMT3A Rabbit mAb; TBR5; HESJAS; DNMT3A2; M.HsaIIIA; 3A; anti-DNMT3A antibody

PRODUCT SPECIFICATIONS

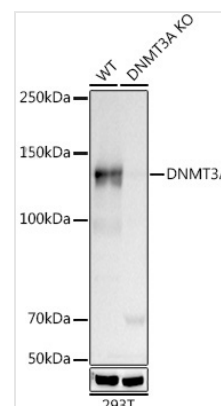
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	GNNNCCRCFC VECVDLLVGP GAAQAAIKED PWNCYMCCHK GTYGLLRRE DWPSRLQMFF ANNHDQEFDP PKVYPPVPAE KRKPIRVLSL FDGIATGLLV L
Applicable Applications for anti-DNMT3A antibody	ELISA, IP (Immunoprecipitation), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 550-650 of human DNMT3A (Q9Y6K1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



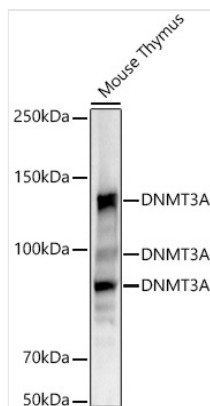
IP (Immunoprecipitation)

Immunoprecipitation of DNMT3A from 300 ug extracts of 293T cells was performed using 3 ug of DNMT3A antibody (AAA282782). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using DNMT3A antibody (AAA282782) at a dilution of 1:1000.



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and DNMT3A knockout (KO) 293T cells using [KO Validated] DNMT3A (AAA282782) at 1:500 dilution incubated overnight at 4°. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



WB (Western Blot)

Western blot analysis of lysates from Mouse Thymus using DNMT3A Rabbit mAb (AAA282782) at 1:500 dilution incubated overnight at 4?.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.

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. This gene encodes 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.
Product Categories/Family for anti-DNMT3A antibody	Epigenetics Nuclear Signaling; Epigenetic writers and erasers of core Histones; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	12751473
NCBI GeneID	1788
NCBI Accession #	NP_072046.2
NCBI GenBank Nucleotide #	NM_022552.4
UniProt Accession #	Q9Y6K1; Q86TE8; Q86XF5; Q8IZV0; Q8WXU9; E9PEB8
Molecular Weight	Calculated MW: 102kDa Observed MW: 85kDa/95kDa/130kDa
UniProt Protein Name	DNA (cytosine-5)-methyltransferase 3A
UniProt Gene Name	DNMT3A
UniProt Synonym Gene Names	Dnmt3a; DNA MTase HsallIA; M.HsallIA
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/monoclonal/dnmt3a-antibody-immunoprecipitation-western-blot-elisa/282782>