

Rabbit anti-Human TRMT61B Polyclonal Antibody | anti-TRMT61B antibody

Anti-TRMT61B Antibody, Rabbit Polyclonal

CATALOG # AAA256833	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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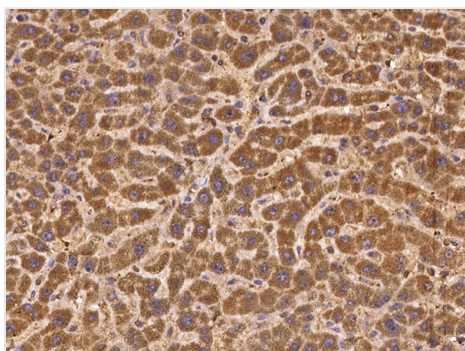
PRODUCT SYNONYMS

TRMT61B; Polyclonal Antibody; Anti-TRMT61B Antibody; Rabbit Polyclonal; TRMT61B Antibody; Rabbit PAb; Antigen Affinity Purified; tRNA methyltransferase 61B; anti-TRMT61B antibody

PRODUCT SPECIFICATIONS

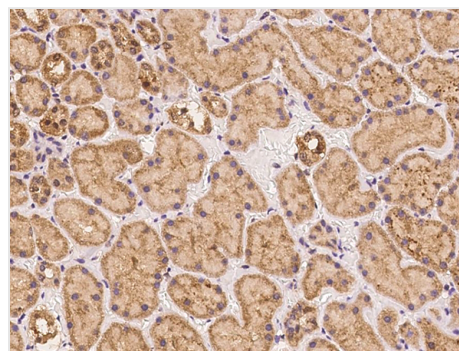
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human TRMT61B
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-TRMT61B antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human TRMT61B fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human TRMT61B fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human TRMT61B in human liver with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human TRMT61B in human kidney with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-TRMT61B antibody	TRMT61B (TRNA Methyltransferase 61B) is a Protein Coding gene. The TRMT61B gene, located on 2p23.2, is conserved in chimpanzee, Rhesus monkey, dog, cow, chicken, zebrafish, and frog. TRMT61B is a methyltransferase that catalyzes the formation of N(1)-methyladenine at position 58 (m1A58) in various tRNAs in the mitochondrion, including tRNA(Leu) (deciphering codons UUA or UUG), tRNA(Lys) and tRNA(Ser) (deciphering codons UCA, UCU, UCG or UCC). TRMT61B catalyzes the formation of 1-methyladenosine at position 947 of mitochondrial 16S ribosomal RNA and this modification is most likely important for mitoribosome structure and function. TRMT61B is widely expressed in the testis, small intestine, and other tissues. Diseases associated with TRMT61B include Codos Syndrome and Combined Oxidative Phosphorylation Deficiency 30.
References	Li X, et al. (2017) Base-resolution mapping reveals distinct m(1)a methylome in nuclear-and mitochondrial-encoded transcripts. Mol Cell 68 (5): 993-1005.e1009.Chujo T, et al. (2012) Trmt61b is a methyltransferase responsible for 1-methyladenosine at position 58 of human mitochondrial trnas. Rna 18 (12): 2269-2276.Bar-Yaacov D, et al. (2016) Mitochondrial 16s rrna is methylated by trna methyltransferase trmt61b in all vertebrates. PLoS Biol 14 (9): e1002557.

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/trmt61b-antibody-immunohistochemistry-elisa/256833>