

**TRMT61B Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56578****Specification**

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**TRMT61B Polyclonal Antibody - Product Information**

Application	IHC-P
Primary Accession	<a href="#">O9BVS5</a>
Reactivity	Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52965

**TRMT61B Polyclonal Antibody - Additional Information****Gene ID** 55006**Other Names**

tRNA (adenine(58)-N(1))-methyltransferase, mitochondrial, 2.1.1.220, mRNA  
methyladenosine-N(1)-methyltransferase, 2.1.1.-, TRMT61B

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**TRMT61B Polyclonal Antibody - Protein Information****Name** TRMT61B**Function**

Methyltransferase that catalyzes the formation of N(1)- methyladenine at position 58 (m1A58) in various tRNAs in mitochondrion, including tRNA(Leu) (deciphering codons UUA or UUG), tRNA(Lys) and tRNA(Ser) (deciphering codons UCA, UCU, UCG or UCC) (PubMed:<a href="http://www.uniprot.org/citations/23097428" target="\_blank">23097428</a>). Catalyzes the formation of 1-methyladenosine at position 947 of mitochondrial 16S ribosomal RNA and this modification is most likely important for mitoribosomal structure and function (PubMed:<a href="http://www.uniprot.org/citations/27631568" target="\_blank">27631568</a>). In addition to tRNA N(1)-methyltransferase activity, also acts as a mRNA N(1)-methyltransferase by mediating methylation of adenosine residues at the N(1) position of MT-ND5 mRNA, leading to interfere with mitochondrial translation (PubMed:<a href="http://www.uniprot.org/citations/29107537" target="\_blank">29107537</a>).

**Cellular Location**

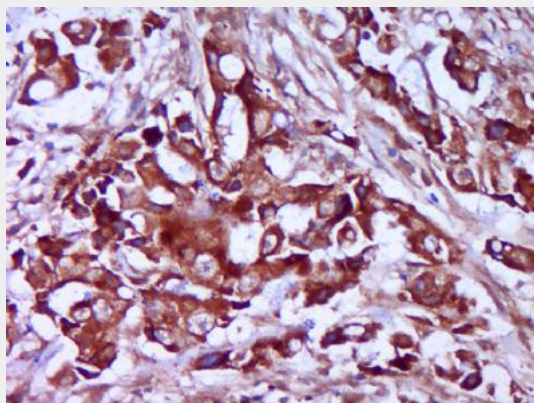
Mitochondrion matrix

## TRMT61B Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## TRMT61B Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (Human stomach cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TRMT61B) Polyclonal Antibody, Unconjugated (bs-17147R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.