

TRMT2B Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11166a

Specification

TRMT2B Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O96GJ1
Other Accession	NP_001161443.1 , NP_079193.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	136-165

TRMT2B Antibody (N-term) - Additional Information

Gene ID 79979

Other Names

tRNA (uracil(54)-C(5))-methyltransferase homolog, TRM2 homolog, TRMT2B, CXorf34

Target/Specificity

This TRMT2B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 136-165 amino acids from the N-terminal region of human TRMT2B.

Dilution

WB~~1:1000

IHC-P~~1:50~100

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TRMT2B Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TRMT2B Antibody (N-term) - Protein Information

Name TRMT2B {ECO:0000303|PubMed:31948311, ECO:0000312|HGNC:HGNC:25748}

Function Mitochondrial S-adenosyl-L-methionine-dependent methyltransferase that catalyzes the

formation of 5-methyl-uridine in tRNAs and 12S rRNA (PubMed:[31948311](#), PubMed:[34556860](#)). Catalyzes the methylation of uridine at position 54 (m5U54) in all tRNAs (PubMed:[31948311](#)). Specifically methylates the uridine in position 429 of 12S rRNA (m5U429) (PubMed:[31948311](#)). Does not affect RNA stability or mitochondrial translation (PubMed:[31948311](#)).

Cellular Location

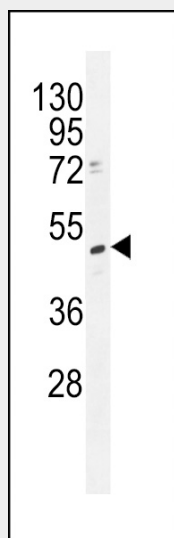
Mitochondrion.

TRMT2B Antibody (N-term) - Protocols

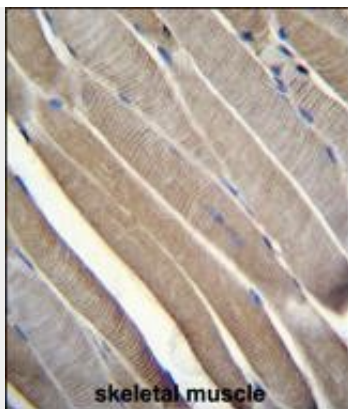
Provided below are standard protocols that you may find useful for product applications.

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

TRMT2B Antibody (N-term) - Images



TRMT2B Antibody (N-term) (Cat. #AP11166a) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the TRMT2B antibody detected the TRMT2B protein (arrow).



TRMT2B Antibody (N-term) (Cat. #AP11166a) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TRMT2B Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

TRMT2B Antibody (N-term) - Background

This gene encodes a homolog of the TRM2 gene in *S. cerevisiae*. The yeast gene encodes a tRNA methyltransferase that plays a role in tRNA maturation. The yeast protein also has endo-exonuclease activity and may be involved in DNA double strand break repair. Alternative splicing results in multiple transcripts encoding different isoforms.

TRMT2B Antibody (N-term) - References

Kimura, K., et al. Genome Res. 16(1):55-65(2006)