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# 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 | Q96GJ1 |
| 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

**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).

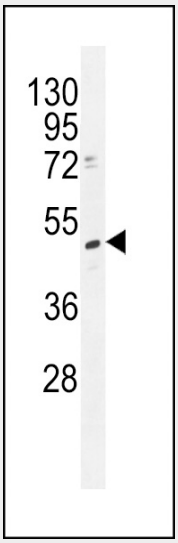
**Cellular Location**
Mitochondrion.

## TRMT2B Antibody (N-term) - Protocols

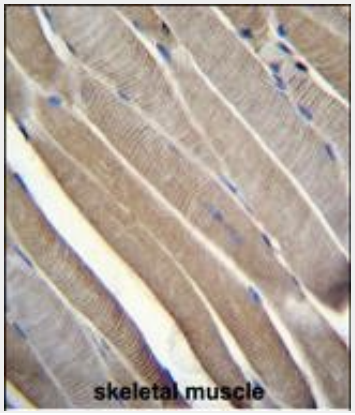
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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).



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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)