10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TRMT2B Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP11166a

Specification

TRMT2B Antibody (N-term) Blocking peptide - Product Information

Primary Accession Q96GJ1

TRMT2B Antibody (N-term) Blocking peptide - Additional Information

Gene ID 79979

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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TRMT2B Antibody (N-term) Blocking peptide - 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) Blocking peptide - Protocols

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

- Blocking Peptides

TRMT2B Antibody (N-term) Blocking peptide - Images

TRMT2B Antibody (N-term) Blocking peptide - Background

This gene encodes a homolog of the TRM2 gene in S.cerevisiae. The yeast gene encodes a tRNA methyltransferase thatplays a role in tRNA maturation. The yeast protein also hasendo-exonuclease activity and may be involved in DNA double strandbreak repair. Alternative splicing results in multiple transcriptsencoding different isoforms.

TRMT2B Antibody (N-term) Blocking peptide - References

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