

TRMT2B Rabbit pAb

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Catalog # AP94115

Product Information

Application	WB
Primary Accession	Q8BQJ6
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55476
Physical State	Liquid
Immunogen	Recombinant mouse TRMT2B protein
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the methyltransferase superfamily. RNA M5U methyltransferase family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a homolog of the TRM2 gene in <i>S. cerevisiae</i> . 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. [provided by RefSeq, Nov 2009]

Additional Information

Gene ID	215201
Other Names	tRNA (uracil-5-)-methyltransferase homolog B, 2.1.1.35, TRM2 homolog B, rRNA (uracil-5-)-methyltransferase TRMT2B, 2.1.1.-, Trmt2b {ECO:0000303 PubMed:31736397, ECO:0000312 MGI:MGI:2442530}
Dilution	WB=1:500-2000
Format	0.01M TBS(pH7.4) with 1% BSA, 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.

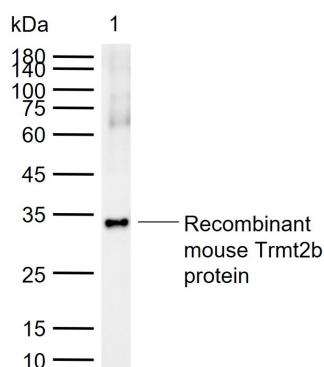
Protein Information

Name	Trmt2b {ECO:0000303 PubMed:31736397, ECO:0000312 MGI:MGI:2442530}
Function	Mitochondrial S-adenosyl-L-methionine-dependent methyltransferase that catalyzes the formation of 5-methyl-uridine in tRNAs and 12S rRNA (PubMed: 31736397). Catalyzes the methylation of uridine at position 54 (m5U54) in all tRNAs (PubMed: 31736397). Specifically methylates the uridine in position 425 of 12S rRNA (m5U425) (PubMed: 31736397). Does not affect RNA stability or mitochondrial translation (By similarity).
Cellular Location	Mitochondrion matrix {ECO:0000250 UniProtKB:Q96GJ1}

Background

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Images



Sample: Lane 1: Recombinant mouse Trmt2b protein, N-His(bs-49205P) Primary: Anti-TRMT2B (AP94115) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 56 kDa Observed band size: 32 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.