

For Research Use Only

TRMT10C Recombinant antibody

Catalog Number: 84991-4-RR



Basic Information

Catalog Number: 84991-4-RR	GenBank Accession Number: NM_017819	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 54931	CloneNo.: 242522B5
Source: Rabbit	UNIPROT ID: Q7L0Y3	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: RNA (guanine-9-) methyltransferase domain containing 1	
Immunogen Catalog Number: AG30642	Calculated MW: 47 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: human, rat	WB : LNCaP cells, HeLa cells, HepG2 cells, K-562 cells, PC-12 cells, rat heart tissue

Background Information

tRNA methyltransferase 10 homolog C (TRMT10C, also known as MRPP1) is involved in mitochondrial RNA processing and modification (PMID: 21593607). It is essential for the 5'-ends processing of mitochondrial tRNAs and plays a critical role in mitochondrial respiration and translation (PMID: 18984158; 29040705). Mutations in TRMT10C may be a cause of mitochondrial disease and highlight the importance of RNA processing for correct mitochondrial function (PMID: 27132592).

Storage

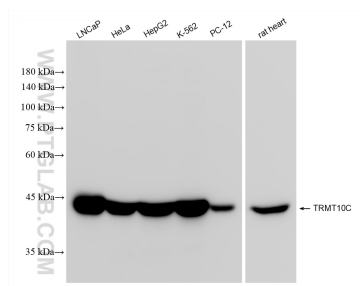
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84991-4-RR (TRMT10C antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.