

For Research Use Only

TRIT1 Polyclonal antibody

Catalog Number: 17141-1-AP



Basic Information

Catalog Number: 17141-1-AP	GenBank Accession Number: BC107569	Purification Method: Antigen affinity purification
Size: 300 µg/ml	GeneID (NCBI): 54802	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: Q9H3H1	
Isotype: IgG	Full Name: tRNA isopentenyltransferase 1	
Immunogen Catalog Number: AG10906	Calculated MW: 467 aa, 53 kDa	
	Observed MW: 53-60 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse placenta tissue,
Species Specificity: human, mouse	

Background Information

IPTases (TRIT1) belong to a group of enzymes that modify both cytoplasmic and mitochondrial tRNAs of eukaryotic cells. Pathogenic mutations to human IPTase (TRIT1) cause mitochondrial insufficiency and neurodevelopmental disease, principally due to decreased modification of the mt-tRNA substrates. (PMID: 32324744, PMID: 36049610)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

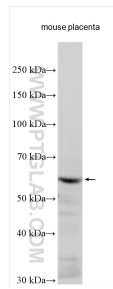
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



mouse placenta tissue were subjected to SDS PAGE followed by western blot with 17141-1-AP (TRIT1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.