

For Research Use Only

GTPBP10 Polyclonal antibody, PBS Only

Catalog Number: 32944-1-PBS



Basic Information

Catalog Number: 32944-1-PBS	GenBank Accession Number: BC107714	Purification Method: Antigen affinity Purification
Concentration: 1 mg/ml	GeneID (NCBI): 85865	
Source: Rabbit	UNIPROT ID: A4D1E9	
Isotype: IgG	Full Name: GTP-binding protein 10 (putative)	
Immunogen Catalog Number: AG37974	Calculated MW: 43, 34, 12 kDa	
	Observed MW: 42, 34, 20 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

Background Information

GTPBP10, a member of the conserved Obg family of P-loop small G proteins, is a mitochondrial protein. The absence of GTPBP10 leads to attenuated mtLSU and mtSSU levels and the virtual absence of the 55S monosome, which entirely prevents mitochondrial protein synthesis. GTPBP10 physically interacts with the 16S rRNA, but not with the 12S rRNA, and crosslinks with several mtLSU proteins. Additionally, GTPBP10 is indirectly required for efficient processing of the 12S-16S rRNA precursor transcript, which could explain the mtSSU accumulation defect (PMID: 30321378).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

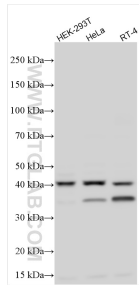
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32944-1-AP (GTPBP10 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 32944-1-PBS in a different storage buffer formulation.