

For Research Use Only

GUF1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86747-1-PBS



Basic Information

Catalog Number: 86747-1-PBS	GenBank Accession Number: BC036768	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 60558	CloneNo.: 251449D6
Isotype: IgG	UNIPROT ID: Q8N442	
Immunogen Catalog Number: AG11579	Full Name: GUF1 GTPase homolog (S. cerevisiae)	
	Calculated MW: 669 aa, 74 kDa	
	Observed MW: 68-70 kDa	

Applications

Tested Applications:
WB, IP, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

GUF1 (GUF1 GTPase), also known as EF-4 (elongation factor 4 homolog), is a 669 amino acid protein belonging to the GTP-binding elongation factor family and the LepA subfamily. Localizing to the mitochondrion inner membrane, GUF1 promotes mitochondrial protein synthesis and binds to mitochondrial ribosomes in a GTP-dependent manner. GUF1 may act as a fidelity factor of the translation reaction, by catalyzing a one-codon backward translocation of tRNAs on improperly translocated ribosomes.

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:

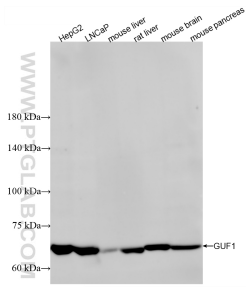
T: 4006900926

E: Proteintech-CN@ptglab.com

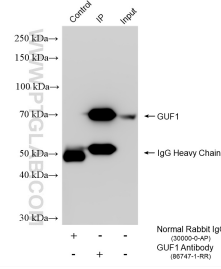
W: ptgcn.com

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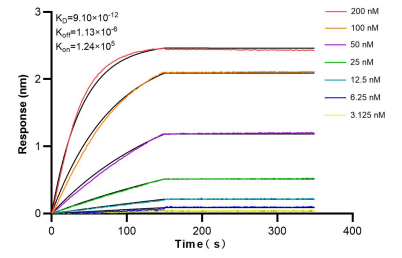
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86747-1-RR (GUF1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86747-1-PBS in a different storage buffer formulation.



IP result of anti-GUF1 (IP:86747-1-RR, 4 μ g; Detection:86747-1-RR 1:2000) with HepG2 cells lysate 2000 μ g. This data was developed using the same antibody clone with 86747-1-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 86747-1-RR against Human GUF1 were performed. The affinity constant is 9.10 pM.