

For Research Use Only

GRP75 Recombinant monoclonal antibody

Catalog Number: 86721-1-RR



Basic Information

Catalog Number: 86721-1-RR	GenBank Accession Number: BC000478	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 3313	CloneNo.: 251670D1
Isotype: IgG	UNIPROT ID: P38646	Recommended Dilutions: WB: 1:5000-1:50000
Immunogen Catalog Number: AG6673	Full Name: heat shock 70kDa protein 9 (mortalin)	
	Calculated MW: 74 kDa	
	Observed MW: 70-75 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : Jurkat cells, SW480 cells, A549 cells, HT-29 cells, NIH/3T3 cells, mouse liver tissue, mouse testis tissue

Background Information

GRP75 (also known as mortalin, HSPA9 or mt-Hsp70) is a constitutively expressed member of the HSPA (HSP70) family of heat-shock proteins. It is located in the mitochondrial matrix and anti-GRP75 is commonly used as the marker for mitochondria. It has been reported that GRP75 is enriched in cancer cells and contributes to carcinogenesis. In addition, decreased expression level of GRP75 has been found in neurodegenerative disorders like Parkinson's disease. (PMID: 21640711, 22920904)

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

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

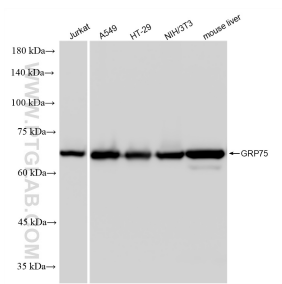
T: 4006900926

E: Proteintech-CN@ptglab.com

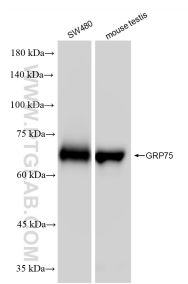
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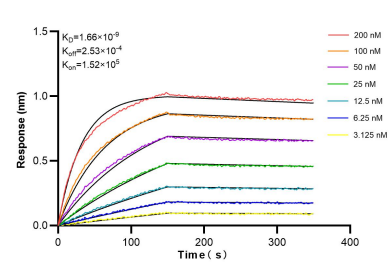
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86721-1-RR (GRP75 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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Biolayer interferometry (BLI) kinetic assays of 86721-1-RR against Human GRP75 were performed. The affinity constant is 1.66 nM.