

For Research Use Only

GRP75 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86721-1-PBS



Basic Information

Catalog Number: 86721-1-PBS	GenBank Accession Number: BC000478	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3313	CloneNo.: 251670D1
Source: Rabbit	UNIPROT ID: P38646	
Isotype: IgG	Full Name: heat shock 70kDa protein 9 (mortalin)	
Immunogen Catalog Number: AG6673	Calculated MW: 74 kDa	
	Observed MW: 70-75 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

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

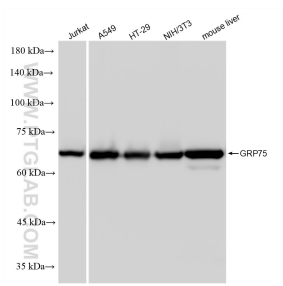
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

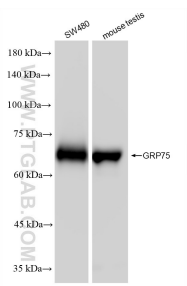
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

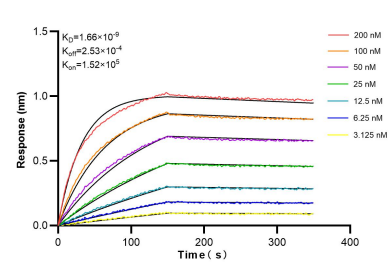
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86721-1-RR (GRP75 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86721-1-PBS in a different storage buffer formulation.



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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.