

For Research Use Only

GRP75 Monoclonal antibody, PBS Only



Catalog Number: 67563-1-PBS

Basic Information

Catalog Number: 67563-1-PBS	GenBank Accession Number: BC000478	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 3313	CloneNo.: 2B12F2
Source: Mouse	UNIPROT ID: P38646	
Isotype: IgG2a	Full Name: heat shock 70kDa protein 9 (mortalin)	
Immunogen Catalog Number: AG7125	Calculated MW: 74 kDa	
	Observed MW: 75 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
Human, mouse, rat

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

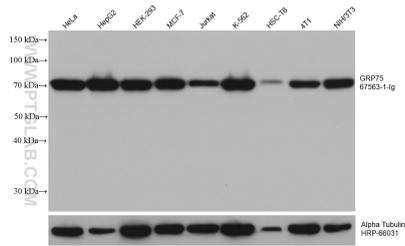
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

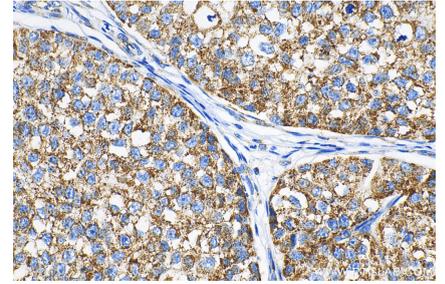
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67563-1-Ig (GRP75 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67563-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67563-1-Ig (GRP75 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67563-1-PBS in a different storage buffer formulation.

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67563-1-Ig (GRP75 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67563-1-PBS in a different storage buffer formulation.