

For Research Use Only

CoraLite®594-conjugated GRP75 Monoclonal antibody



Catalog Number:CL594-67563

Basic Information

Catalog Number: CL594-67563	GenBank Accession Number: BC000478	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 3313	CloneNo.: 2B12F2
Source: Mouse	UNIPROT ID: P38646	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Full Name: heat shock 70kDa protein 9 (mortalin)	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG7125	Calculated MW: 74 kDa	
	Observed MW: 75 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : HepG2 cells,
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 -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

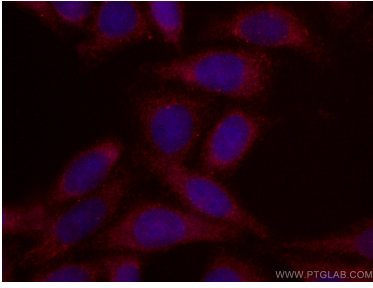
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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite®594-conjugated GRP75 antibody (CL594-67563, Clone: 2B12F2) at dilution of 1:100.