For Research Use Only

GRP78/BIP Monoclonal antibody

Catalog Number:66574-1-lg Featured Product

83 Publications

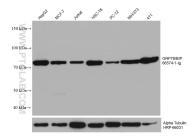
oroteintech Antibodies | ELISA kits | Proteins www.ptglab.com

Basic Information	Catalog Number: 66574-1-lg	GenBank Accession BC020235	n Number:	Purification Method: Protein G purification						
	Size: 150ul, Concentration: 1000 ug/ml by Nanodrop; Source: Mouse Isotype: IgG1 Immunogen Catalog Number: AG2188	GeneID (NCBI): 3309 UNIPROT ID: P11021 Full Name: heat shock 70kDa protein 5 (glucose- regulated protein, 78kDa) Calculated MW: 78 kDa		CloneNo.:						
				1D6F7 Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:500-1:2000 IF/ICC 1:50-1:500						
					Observed MW: 70-78 kDa					
					Applications	Tested Applications:		Positive Cont	rols:	
						Cited Applications: Jurkat cells, WB, IHC, IF, IP, CoIP NIH/3T3 cell		WB: HepG2 ce	cells, HeLa cells, A549 cells, MCF-7 cell	
								HSCT6 cells, HSC-T6 cells, PC-12 cells		
			ls, SP2/0 cell, 4T1 cells							
Human, rat, mouse		IP:SGC-7901								
Cite d Crassient		ver cancer tissue, human colon cance breast cancer tissue								
human, mouse, rat, pig, chicken, zebrafish		IF/ICC : HeLa								
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0										
Background Information	GRP78 (HSPA5), also referred to as 'ir shock protein-70 (HSP70) family and reticulum (ER).It is a constitutively er reported that GRP78 is associated wit	is involved in the fo opressed resident pr	lding and assemblotein of the ER in a	y of proteins in the endoplasmic ll eukaryotic cells. Recently it has bee						
	shock protein-70 (HSP70) family and reticulum (ER).It is a constitutively ex reported that GRP78 is associated wit	is involved in the fo xpressed resident pr th apoptosis or inhib	lding and assemblotein of the ER in a	y of proteins in the endoplasmic ll eukaryotic cells. Recently it has bee						
	shock protein-70 (HSP70) family and reticulum (ER).It is a constitutively ex reported that GRP78 is associated with Author Put	is involved in the fo xpressed resident pr th apoptosis or inhib pmed ID Jou	lding and assembl otein of the ER in a ition of cancer cell	y of proteins in the endoplasmic ll eukaryotic cells. Recently it has bee growth.						
Background Information	shock protein-70 (HSP70) family and reticulum (ER).It is a constitutively ex reported that GRP78 is associated with Author Put Xiuwen Yang 362	is involved in the for xpressed resident pr th apoptosis or inhib pmed ID Jou 246276 Fro	Iding and assemblotein of the ER in a ition of cancer cell	y of proteins in the endoplasmic Il eukaryotic cells. Recently it has bee growth. Application						
	shock protein-70 (HSP70) family and reticulum (ER).It is a constitutively ex reported that GRP78 is associated with Author Put Xiuwen Yang 362 Yu Chen 345	is involved in the for expressed resident pro- thapoptosis or inhib comed ID Jou 246276 Froc 592660 Ce	Iding and assemblotein of the ER in a ition of cancer cell urnal	y of proteins in the endoplasmic Il eukaryotic cells. Recently it has bee growth. Application WB						
	shock protein-70 (HSP70) family and reticulum (ER).It is a constitutively ex reported that GRP78 is associated with Author Put Xiuwen Yang 362 Yu Chen 345	is involved in the for expressed resident pro- th apoptosis or inhib pomed ID Jou 246276 Fro 592660 Ce 056472 Int ere shipment.	Iding and assemblotein of the ER in a ition of cancer cell urnal on the Microbiol	y of proteins in the endoplasmic Il eukaryotic cells. Recently it has bee growth. Application WB WB						
Notable Publications	shock protein-70 (HSP70) family and reticulum (ER).It is a constitutively ex- reported that GRP78 is associated with Author Put Xiuwen Yang 362 Yu Chen 345 Li Ma 360 Storage: Storage: Storage Buffer:	is involved in the for xpressed resident pri th apoptosis or inhib omed ID Jou 246276 Fro 592660 Ce 056472 Int eer shipment.	Iding and assemblotein of the ER in a ition of cancer cell urnal on the Microbiol	y of proteins in the endoplasmic Il eukaryotic cells. Recently it has bee growth. Application WB WB						

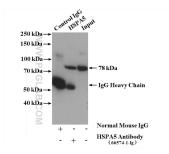
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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

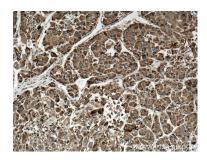
Selected Validation Data



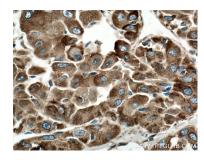
Various lysates were subjected to SDS PAGE followed by western blot with 66574-1-lg (GRP78/BIP antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRPconjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



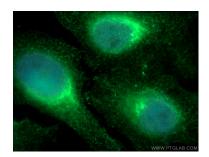
IP result of anti-GRP78/BIP (IP:66574-1-Ig, 5ug; Detection:66574-1-Ig 1:3000) with SGC-7901 cells lysate 2200 ug.



Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 66574-1-Ig (GRP78,BIP antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 66574-1-1g (GRP78,BIP antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 66574-1-1g (GRP78/BIP antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated Goat Anti-Mouse IgG(H+L).