

For Research Use Only

GRP78/BIP Monoclonal antibody, PBS Only

Catalog Number: 66574-1-PBS



Basic Information

Catalog Number: 66574-1-PBS	GenBank Accession Number: BC020235	Purification Method: Protein G purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 3309	CloneNo.: 1D6F7
Source: Mouse	UNIPROT ID: P11021	
Isotype: IgG1	Full Name: heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)	
Immunogen Catalog Number: AG2188	Calculated MW: 78 kDa	
	Observed MW: 70-78 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:
Human, rat, mouse

Background Information

GRP78 (HSPA5), also referred to as 'immunoglobulin heavy chain-binding protein' (BiP), is a member of the heat-shock protein-70 (HSP70) family and is involved in the folding and assembly of proteins in the endoplasmic reticulum (ER). It is a constitutively expressed resident protein of the ER in all eukaryotic cells. Recently it has been reported that GRP78 is associated with apoptosis or inhibition of cancer cell growth.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

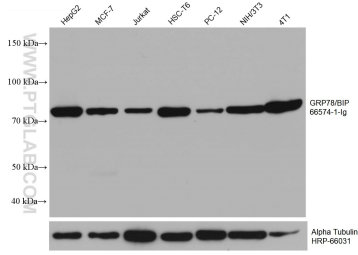
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

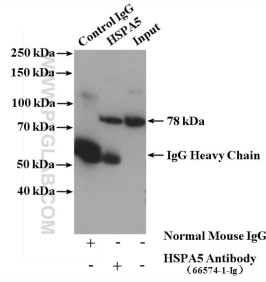
E: proteintech@ptglab.com
W: ptglab.com

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

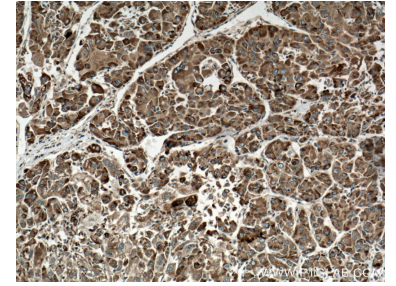
Selected Validation Data



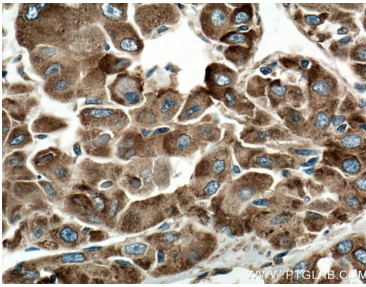
Various lysates were subjected to SDS PAGE followed by western blot with 66574-1-Ig (GRP78/BIP antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 66574-1-PBS in a different storage buffer formulation.



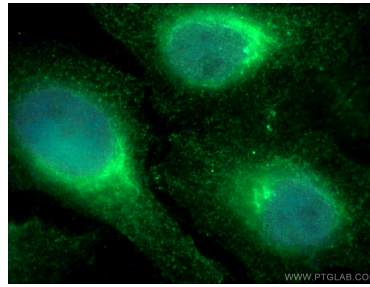
IP result of anti-GRP78/BIP (IP:66574-1-Ig, 5ug; Detection:66574-1-Ig 1:3000) with SGC-7901 cells lysate 2200 ug. This data was developed using the same antibody clone with 66574-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded 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). This data was developed using the same antibody clone with 66574-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66574-1-Ig (GRP78/BIP 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 66574-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 66574-1-Ig (GRP78/BIP antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66574-1-PBS in a different storage buffer formulation.