

For Research Use Only

GRP78,BIP Recombinant antibody

Catalog Number:80849-1-RR

Featured Product

1 Publications



Basic Information

Catalog Number:

80849-1-RR

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2188

GenBank Accession Number:

BC020235

GeneID (NCBI):

3309

UNIPROT ID:

P11021

Full Name:

heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)

Calculated MW:

78 kDa

Observed MW:

70,78 kDa

Purification Method:

Protein A purification

CloneNo.:

5F17

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:2000-1:8000

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

IF

Species Specificity:

human, mouse, rat, pig

Cited Species:

pig

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HepG2 cells, HeLa cells, HepG2 cells, Jurkat cells, NIH/3T3 cells, RAW264.7 cells, HSC-T6 cells, pig liver tissue

IP : HeLa cells,

IHC : human colon cancer tissue, human pancreas cancer tissue, human breast cancer tissue

Notable Publications

Author	Pubmed ID	Journal	Application
Yanan Chen	36225099	J Agric Food Chem	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

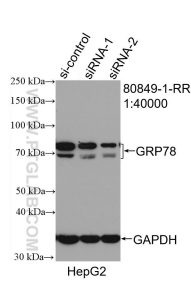
For technical support and original validation data for this product please contact:

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

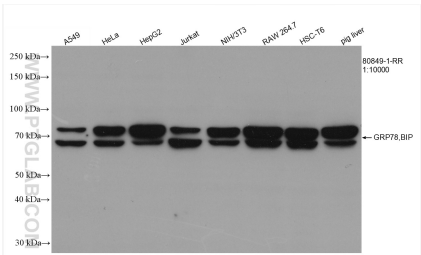
E: proteintech@ptglab.com
W: ptglab.com

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

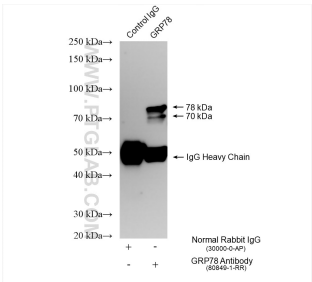
Selected Validation Data



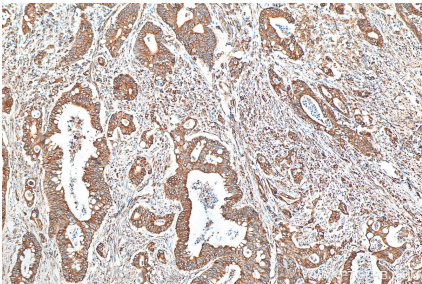
WB result of GRP78,BIP antibody (80849-1-RR; 1:16000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GRP78,BIP transfected HepG2 cells.



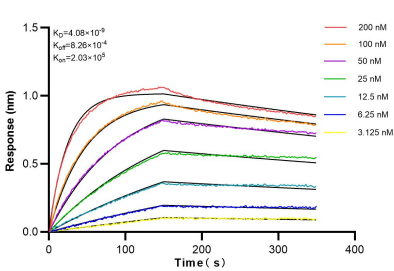
Various lysates were subjected to SDS PAGE followed by western blot with 80849-1-RR (GRP78,BIP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP result of anti-GRP78,BIP (IP:80849-1-RR, 4ug; Detection:80849-1-RR 1:3000) with HeLa cells lysate 1280 ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 80849-1-RR (GRP78,BIP antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 80849-1-RR against Human GRP78/BIP were performed. The affinity constant is 4.08 nM.