

For Research Use Only

GBP4 Polyclonal antibody

Catalog Number: 17746-1-AP

1 Publications



Basic Information

Catalog Number:

17746-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 180 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12006

GenBank Accession Number:

BC070055

GeneID (NCBI):

115361

UNIPROT ID:

Q96PP9

Full Name:

guanylate binding protein 4

Calculated MW:

640 aa, 73 kDa

Observed MW:

73 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

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

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : HeLa cells, human placenta tissue, A431 cells, mouse heart tissue

IP : A431 cells,

Background Information

Guanylate-binding protein 4 (GBP4) is an IFN-inducible GTPase that belongs to the GB1/RHD3 GTPase family. GBP4 plays important roles in innate immunity against a diverse range of bacterial, viral and protozoan pathogens. GBP4 negatively regulates the antiviral response by inhibiting activation of IRF7 transcription factor. The molecular weight of GBP4 is 73 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Antonia R Bass	37737612	mBio	WB

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

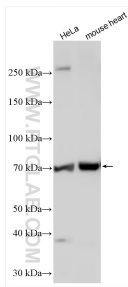
For technical support and original validation data for this product please contact:

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

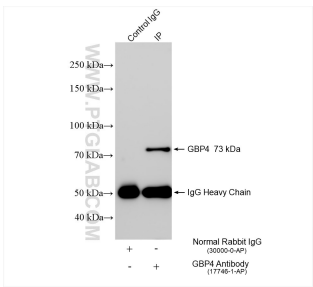
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17746-1-AP (GBP4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-GBP4 (IP:17746-1-AP, 4ug; Detection:17746-1-AP 1:500) with A431 cells lysate 1040 ug.