

For Research Use Only

GBP4 Recombinant antibody

Catalog Number: 83699-4-RR



Basic Information

Catalog Number: 83699-4-RR	GenBank Accession Number: BC070055	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 115361	CloneNo.: 240730H5
Source: Rabbit	UNIPROT ID: Q96PP9	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: guanylate binding protein 4	
Immunogen Catalog Number: AG12006	Calculated MW: 640 aa, 73 kDa	
	Observed MW: 73 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : HeLa cells,
Species Specificity: human	

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.

Storage

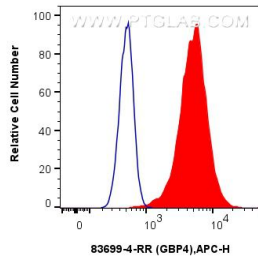
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

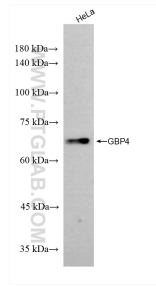
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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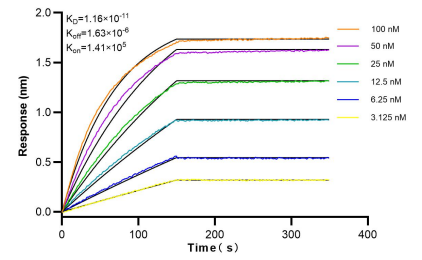
Selected Validation Data



1×10^6 HepG2 cells were intracellularly stained with 0.25 μ g GBP4 Recombinant antibody (83699-4-RR, Clone:240730H5) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



HeLa cells were subjected to SDS PAGE followed by western blot with 83699-4-RR (GBP4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83699-4-RR against Human GBP4 were performed. The affinity constant is 11.6 pM.