

For Research Use Only

CoraLite® Plus 647-conjugated GBP2 Polyclonal antibody



Catalog Number: CL647-11854

Featured Product

Basic Information

Catalog Number: CL647-11854	GenBank Accession Number: BC022272	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2634	Excitation/Emission maxima wavelengths: 650 nm / 665 nm
Source: Rabbit	Full Name: guanylate binding protein 2, interferon-inducible	
Isotype: IgG	Calculated MW: 591 aa, 67 kDa	
Immunogen Catalog Number: AG2425	Observed MW: 67 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, rat, mouse

Background Information

GBP2 is a member of the GTPase family and is crucial to host immunity against pathogens. GBP2 is also used as a marker of interferon (IFN) responsiveness, because it is one of the most highly expressed genes after IFN- γ stimulation. Increased GBP2 expression is also associated with a better prognosis in breast cancer and may have a role in T-cell defense against breast cancer. Interestingly, GBP2 expression in NIH/3T3 fibroblasts inhibited Rac activation and matrix metalloproteinase-9 expression, suggesting a possible role for GBP2 in regulating cancer metastasis. The molecular weight of GBP2 is 67 kDa. (PMID: 29072687, 35383115)

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

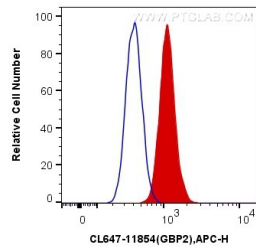
Aliquoting is unnecessary for -20°C storage

*** 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



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 647 Anti-Human GBP2 (CL647-11854) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).