

For Research Use Only

GBP2 Monoclonal antibody

Catalog Number: 68559-1-Ig



Basic Information

Catalog Number: 68559-1-Ig	GenBank Accession Number: BC022272	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2634	CloneNo.: 2D7G4
Source: Mouse	Full Name: guanylate binding protein 2, interferon-inducible	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Calculated MW: 591 aa, 67 kDa	
Immunogen Catalog Number: AG24108	Observed MW: 67 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HT-1376 cells, Saos-2 cells, HepG2 cells, PC-3 cells, A375 cells
Species Specificity: Human	

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

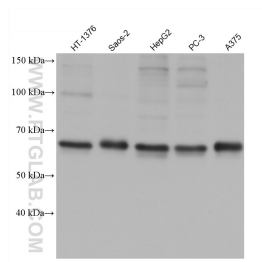
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68559-1-Ig (GBP2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.