

For Research Use Only

CoraLite® Plus 488-conjugated GBP2 Recombinant monoclonal antibody

Catalog Number: CL488-84264-6



Basic Information

Catalog Number: CL488-84264-6	GenBank Accession Number: BC022272	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 2634	CloneNo.: 241580C12
Isotype: IgG	UNIPROT ID: P32456	Recommended Dilutions: IF/ICC: 1:50-1:500
Immunogen Catalog Number: AG2425	Full Name: guanylate binding protein 2, interferon-inducible	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 591 aa, 67 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HeLa 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. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

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

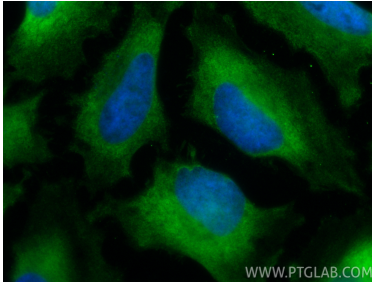
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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 GBP2 antibody (CL488-84264-6, Clone: 241580C12) at dilution of 1:100.