

For Research Use Only

CoraLite® Plus 488-conjugated G3BP1 Polyclonal antibody



Catalog Number: CL488-13057

Featured Product

Basic Information

Catalog Number: CL488-13057	GenBank Accession Number: BC006997	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10146	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: GTPase activating protein (SH3 domain) binding protein 1	Excitation/Emission maxima wavelengths: 488 nm / 515 nm
Isotype: IgG	Calculated MW: 466 aa, 52 kDa	
Immunogen Catalog Number: AG3728	Observed MW: 55-60 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : sodium arsenite treated HeLa cells,
Species Specificity: human, rat, mouse	

Background Information

GAP SH3 Binding Protein 1 (G3BP1), also named as G3BP, is an effector of stress granule (SG) assembly. SG biology plays an important role in the pathophysiology of TDP-43 in ALS and FTLD-U. G3BP1 can be used as a marker of SG. It has been shown to function downstream of Ras and play a role in RNA metabolism, signal transduction, and proliferation. G3BP1 is a ubiquitously expressed protein that localizes to the cytoplasm in proliferating cells and to the nucleus in non-proliferating cells. G3BP1 has recently been implicated in cancer biology.

Storage

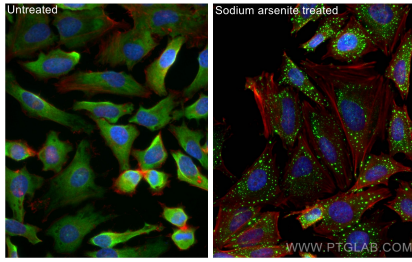
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed sodium arsenite treated HeLa cells using CoraLite® Plus 488 G3BP1 antibody (CL488-13057) at dilution of 1:200, CL594-Phalloidin (red).