

For Research Use Only

CoraLite® Plus 488-conjugated G3BP1 Recombinant antibody

Catalog Number: CL488-80777



Basic Information

Catalog Number: CL488-80777	GenBank Accession Number: BC006997	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10146	CloneNo.: 7F14
Source: Rabbit	UNIPROT ID: Q13283	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG	Full Name: GTPase activating protein (SH3 domain) binding protein 1	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG3728	Calculated MW: 466 aa, 52 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : sodium arsenite treated HeLa cells,
Species Specificity: Human	

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.

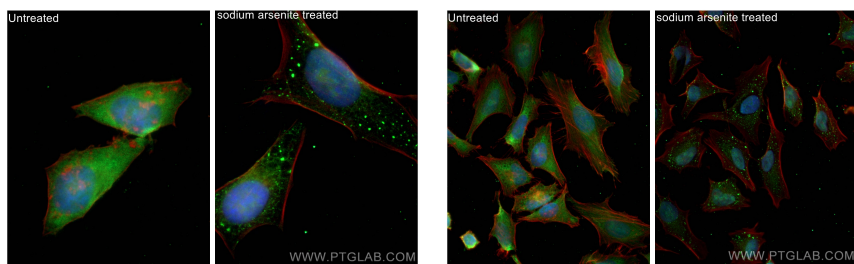
Storage

Storage:
Store at -20°C. Avoid exposure to light. 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

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
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed sodium arsenite treated HeLa cells using CoralLite® Plus 488 G3BP1 antibody (CL488-80777, Clone: 7F14) at dilution of 1:200, CL594-Phalloidin (red).

Immunofluorescent analysis of (4% PFA) fixed sodium arsenite treated HeLa cells using CoralLite® Plus 488 G3BP1 antibody (CL488-80777, Clone: 7F14) at dilution of 1:200, CL594-Phalloidin (red).