For Research Use Only

CoraLite® Plus 488-conjugated G3BP1 Polyclonal antibody

Catalog Number:CL488-13057 Featured Product 4 Publications

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Basic Information

Catalog Number:
CL488-13057

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG3728

GenBank Accession Number:
BC006997

GeneID (NCBI):
10146

UNIPROT ID:
Q13283

Full Name:
GTPase activating protein (SH3 domain) binding protein 1

Calculated MW:
466 aa, 52 kDa

Observed MW:
55-60 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF/ICC: 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC

Cited Applications:
IF

Species Specificity:
human, rat, mouse

Cited Species:
human

Positive Controls:

IF/ICC : sodium arsenite treated HeLa cells,

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiao Jiang	41769253	Bio Protoc	IF
Junjie Li	40750353	RNA	
Harihar M Mohan	40680123	Sci Adv	IF

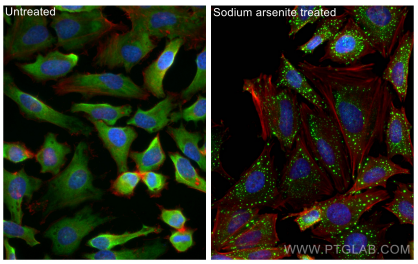
Storage

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:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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).