

For Research Use Only

# CoraLite®555-conjugated G3BP1 Recombinant antibody



Catalog Number:CL555-80777

## Basic Information

Catalog Number:

CL555-80777

Size:

1000 µg/ml

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

Purification Method:

Protein A purification

CloneNo.:

7F14

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima wavelengths:

557 nm / 570nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

Human

Positive Controls:

IF : 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.

## 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

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

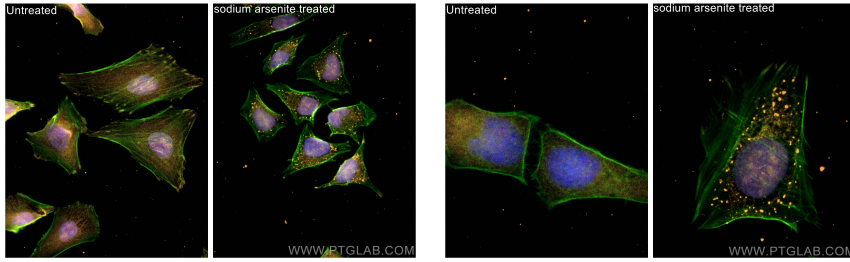
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed sodium arsenite treated HeLa cells using CoraLite®555 G3BP1 antibody (CL555-80777, Clone: 7F14) at dilution of 1:200, CL488-Phalloidin (green).

Immunofluorescent analysis of (4% PFA) fixed sodium arsenite treated HeLa cells using CoraLite®555 G3BP1 antibody (CL555-80777, Clone: 7F14) at dilution of 1:200, CL488-Phalloidin (green).