

For Research Use Only

CoraLite®555-conjugated G3BP2 Polyclonal antibody



Catalog Number: CL555-16276

Featured Product

Basic Information

Catalog Number: CL555-16276	GenBank Accession Number: BC011731	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 9908	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: GTPase activating protein (SH3 domain) binding protein 2	Excitation/Emission maxima wavelengths: 555 nm / 570 nm
Isotype: IgG	Calculated MW: 482aa,54 kDa; 449aa,51 kDa	
Immunogen Catalog Number: AG9355	Observed MW: 65-70 kDa	

Applications

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

Background Information

Stress granules (SGs) are cytoplasmic mRNA-protein condensates formed in response to cellular stressors, such as oxidative stress, ultraviolet radiation, and viral infection (1). The Ras-GTPase-activating protein-binding proteins (G3BPs), consisting of G3BP1 and G3BP2, are key nucleating factors essential for SG formation. They function to protect RNAs from harmful conditions. G3BP2 is mainly distributed in the cytoplasm and participates in the formation of stress granules, cell differentiation, proliferation, and signal transduction. Accumulating evidence has demonstrated that aberrant expression of G3BP2 contributes to cancer initiation and progression, such as high expression of G3BP2 increasing cell stemness, metastasis and chemoresistance in breast cancer.

Storage

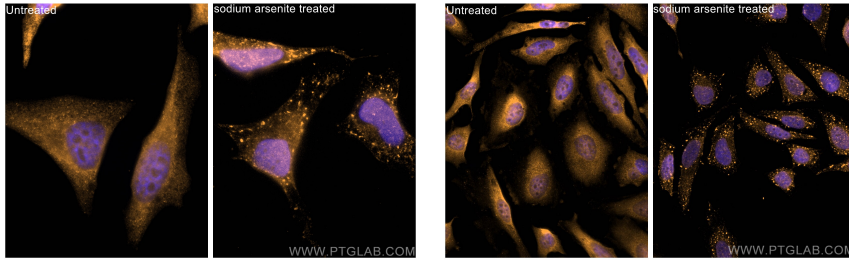
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.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®555 G3BP2 antibody (CL555-16276) at dilution of 1:200.

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