For Research Use Only

CoraLite® Plus 488-conjugated G3BP2 Polyclonal antibody

Catalog Number:CL488-16276 Featured Product

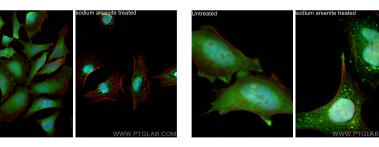
Antibodies | ELISA kits | Proteins WWW.ptglab.com

Basic Information	Catalog Number: CL488-16276	GenBank Accession Number: BC011731	Purification Method: Antigen affinity purification	
	Size: 100ul, Concentration: 1000 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG	GeneID (NCBI): 9908 UNIPROT ID: Q9UN86 Full Name: GTPase activating protein (SH3 domain) binding protein 2	Recommended Dilutions: IF/ICC 1:50-1:500 Excitation/Emission maxima wavelengths: 493 nm / 522 nm	
				Immunogen Catalog Number: AG9355
		Observed MW: 65-70 kDa		
	Applications	Tested Applications: IF/ICC Species Specificity:		Positive Controls: IF/ICC : sodium arsenite treated HeLa cells,
Background Informati	ON Stress granules (SGs) are cytoplasmic oxidative stress, ultraviolet radiation (G3BPs), consisting of G3BP1 and G3B protect RNAs from harmful conditions formation of stress granules, cell diff demonstrated that aberrant expression	human 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 ligh Storage Buffer: PBS with 50% Glycerol, 0.05% Procli Aliquoting is unnecessary for -20°C s	n300, 0.5% BSA, pH 7.3.	nt.	

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.comW: ptglab.comW: 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® Plus 488 G3BP2 antibody (CL488-16276) at dilution of 1:200, CL594-Phalloidin (red). Immunofluorescent analysis of (4% PFA) fixed sodium arsenite treated HeLa cells using CoraLite® Plus 488 G3BP2 antibody (CL488-16276) at dilution of 1:200, CL594-Phalloidin (red).