À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-G3BP2

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:16276-1-AP Phare 13 Publications

Informations de base

Numéro de catalogue:
16276-1-AP

Taille:
150ul , Concentration: 600 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG9355

Numéro d'acquisition GenBank:
BC011731

Identification du gène (NCBI):
9908

Nom complet:
GTPase activating protein (SH3 domain) binding protein 2

MW calculé
482aa,54 kDa; 449aa,51 kDa

MW observés:
65-70 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:2000-1:16000
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
IF 1:50-1:500

Applications

Applications testées:
IF, IP, WB, ELISA

Demandes citées:
CoIP, IF, IHC, IP, RIP, WB

Spécificité de l'espèce:
Humain, souris

Espèces citées:
Humain, souris

Contrôles positifs:

WB : cellules A549, cellules HEK-293, cellules HeLa, cellules Jurkat, cellules MCF-7, cellules Neuro-2a, cellules T47D

IP : cellules HeLa,

IF : sodium arsenite treated HeLa cells,

Informations générales

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.

Publications notables

Autrice	Pubmed ID	Journal	Application
Hongwei Liu	30458784	Mol Cancer	WB,IHC
Yaqi Chen	35589951	Oncogene	WB,IF,IP
Damin Yun	35782098	PeerJ	WB,IF

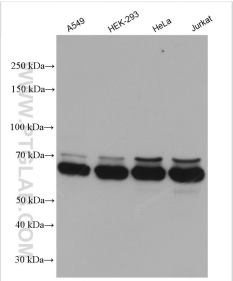
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

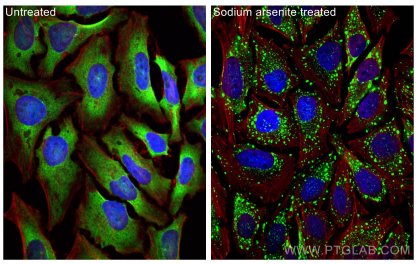
***** Les 20ul contiennent 0,1% de BSA.**

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

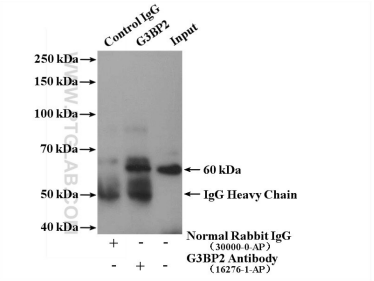
Données de validation sélectionnées



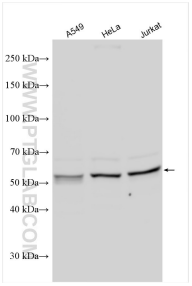
A549 cells were subjected to SDS PAGE followed by western blot with 16276-1-AP (G3BP2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed sodium arsenite treated HeLa cells using G3BP2 antibody (16276-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IP result of anti-G3BP2 (IP:16276-1-AP, 4ug; Detection:16276-1-AP 1:1000) with HeLa cells lysate 2200 ug.



Various lysates were subjected to SDS PAGE followed by western blot with 16276-1-AP (G3BP2 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.