

Nur für Forschungszwecke

G3BP2 Polyklonaler Antikörper

Katalog-Nr.:16276-1-AP

Vorgestelltes Produkt

11 Publikationen



Allgemeine Informationen

Katalog-Nr.:

16276-1-AP

Größe:

150ul, Konzentration: 600 µg/ml von Nanodrop;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG9355

GenBank-Zugangsnummer:

BC011731

GeneID (NCBI):

9908

Vollständiger Name:

GTPase activating protein (SH3 domain) binding protein 2

Berechnete Masse:

482aa,54 kDa; 449aa,51 kDa

Beobachtete Masse:

65-70 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:2000-1:16000

IP 0.5-4.0 µg für IP und 1:500-1:2000

für WB

IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:

IF, IP, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus

Zitierte Arten:

Human, Maus

Positivkontrollen:

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

IP: HeLa-Zellen,

IF: sodium arsenite treated HeLa cells,

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

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

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

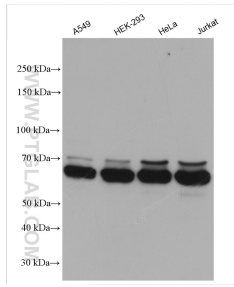
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

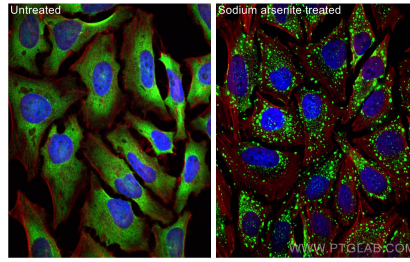
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

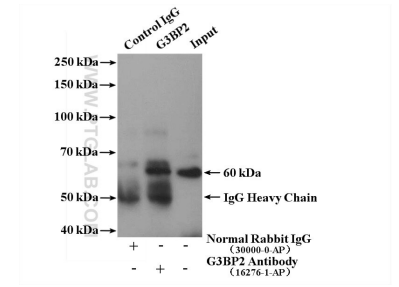
Ausgewählte Validierungsdaten



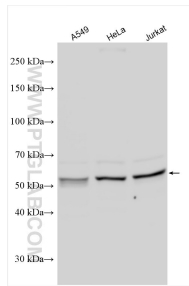
A549 cells were subjected to SDS PAGE followed by western blot with 16276-1-AP (G3BP2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



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.