

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-ARFGAP1



Numéro de catalogue: 13571-1-AP

Phare

3 Publications

Informations de base

Numéro de catalogue:
13571-1-AP

Taille:
150ul, Concentration: 550 µg/ml by Nanodrop and 413 µg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG4468

Numéro d'acquisition GenBank:
BC028233

Identification du gène (NCBI):
55738

Nom complet:
ADP-ribosylation factor GTPase activating protein 1

MW calculé
414 aa, 46 kDa

MW observés:
46 kDa, 50 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:2000
IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB
IHC 1:20-1:200
IF 1:50-1:500

Applications

Applications testées:
IF, IHC, IP, WB, ELISA

Demandes citées:
IF, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, porc, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules PC-3, cellules HeLa, tissu cérébral humain

IP : tissu testiculaire de souris,

IHC : tissu de cancer de la prostate humain,

IF : cellules HeLa,

Informations générales

Protein coats deform flat lipid membranes into buds and capture membrane proteins to form transport vesicles. The assembly-disassembly cycle of the COPI coat on Golgi membranes is coupled to the GTP-GDP cycle of the small G protein ARF1. ARFGAP1 contributes to vesicle budding by increasing the GTPase activity of ARF1, because it promotes hydrolysis of the ARF1-bound GTP and thus, is required for the dissociation of coat proteins from Golgi-derived membranes and vesicles, a prerequisite for vesicle's fusion with target compartment. for ARFGAP1 may has a role in regulating the GTPase activity and neuronal toxicity of LRRK2; reciprocally, LRRK2 phosphorylates ArfGAP1 and is required for ArfGAP1 neuronal toxicity.

Publications notables

| Autrice | Pubmed ID | Journal | Application |
|----------------|-----------|---------------|-------------|
| Hsiang-Pu Feng | 33715220 | FASEB J | WB, IF |
| Liang Zhang | 33721634 | Vet Microbiol | WB |
| Klodjan Stafa | 22363216 | PLoS Genet | 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.

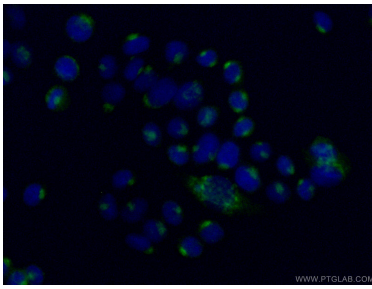
For technical support and original validation data for this product please contact:

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

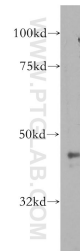
E: proteintech@ptglab.com
W: ptglab.com

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

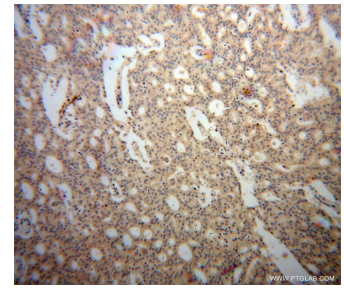
Données de validation sélectionnées



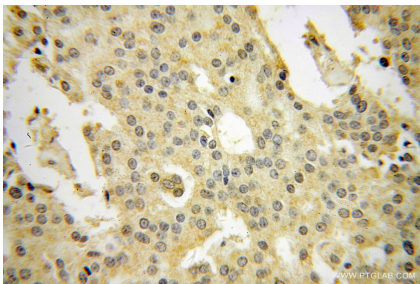
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 13571-1-AP (ARFGAP1 antibody) at dilution of 1:50 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



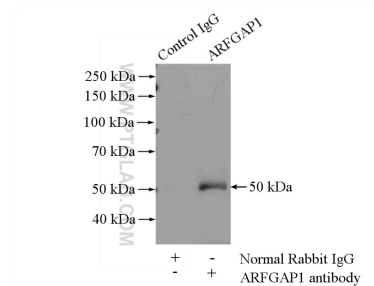
PC-3 cells were subjected to SDS PAGE followed by western blot with 13571-1-AP (ARFGAP1 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 13571-1-AP (ARFGAP1 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 13571-1-AP (ARFGAP1 antibody) at dilution of 1:100 (under 40x lens).



IP Result of anti-ARFGAP1 (IP:13571-1-AP, 4ug; Detection:13571-1-AP 1:500) with mouse testis tissue lysate 4000ug.