

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Spartin, SPG20



Numéro de catalogue: 13791-1-AP

Phare

12 Publications

Informations de base

Numéro de catalogue:

13791-1-AP

Taille:

150ul, Concentration: 800 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG4815

Numéro d'acquisition GenBank:

BC047083

Identification du gène (NCBI):

23111

Nom complet:

spastic paraplegia 20 (Troyer syndrome)

MW calculé

75 kDa, 85 kDa

MW observés:

75-84 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:2000-1:10000

IP 0.5-4.0 µg for IP and 1:1000-1:4000 for WB

IHC 1:400-1:1600

Applications

Applications testées:

FC, IHC, IP, WB, ELISA

Demandes citées:

IF, IHC, IP, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, souris

Contrôles positifs:

WB : cellules HEK-293, cellules HeLa, cellules NIH/3T3

IP : cellules HeLa,

IHC : tissu de cancer du foie humain, tissu de cancer du sein humain

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

Informations générales

SPG20 (spastic paraplegia 20) gene encodes a multifunctional Spartin protein. SPG20 protein is highly expressed in adipose tissue and may be implicated in endosomal trafficking and microtubule dynamics. SPG20 is mutated in Troyer syndrome, a hereditary spastic paraplegia defined by degeneration of upper motor neurons, recent study showed that regulation of SPG20 on mitochondrial calcium homeostasis may contribute to the pathophysiology of Troyer syndrome. Hypermethylation of SPG20 promoter, found in colorectal cancer patients, may play a role in cytokinesis arrest in colorectal tumorigenesis.

Publications notables

Autrice	Pubmed ID	Journal	Application
Lind G E GE	21499309	Oncogene	WB,IF
Urbanczyk Andreas A	21707618	J Neurochem	IHC,IF
Joshua M Nicholson	25942454	Elife	WB

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.

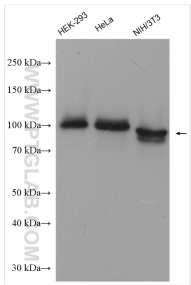
For technical support and original validation data for this product please contact:

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

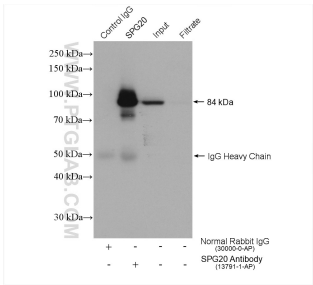
E: proteintech@ptglab.com
W: ptglab.com

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

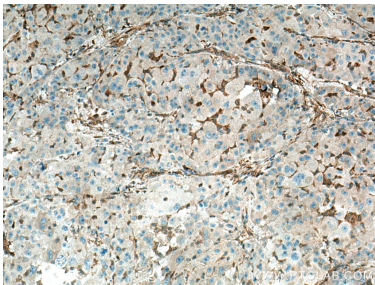
Données de validation sélectionnées



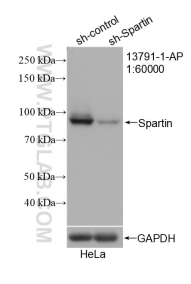
Various lysates were subjected to SDS PAGE followed by western blot with 13791-1-AP (Spartin, SPG20 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



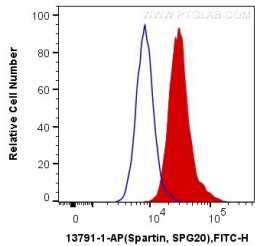
IP result of anti-Spartin, SPG20(IP:13791-1-AP, 4ug; Detection:13791-1-AP 1:2000) with HeLa cells lysate 2320 ug.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 13791-1-AP (Spartin, SPG20 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of Spartin, SPG20 antibody (13791-1-AP; 1:60000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Spartin, SPG20 transfected HeLa cells.



1X10⁶ HepG2 cells were intracellularly stained with 0.2 ug Anti-Human Spartin, SPG20 (13791-1-AP) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).