

Nur für Forschungszwecke

Spartin, SPG20 Polyklonaler Antikörper



Katalog-Nr.:13791-1-AP

Vorgestelltes Produkt

11 Publikationen

Allgemeine Informationen

Katalog-Nr.: 13791-1-AP	GenBank-Zugangsnummer: BC047083	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 800 µg/ml von Nanodrop;	GeneID (NCBI): 23111	Empfohlene Verdünnungen: WB 1:2000-1:10000 IP 0.5-4.0 ug für IP und 1:1000-1:4000 für WB IHC 1:400-1:1600
Wirt: Kaninchen	Vollständiger Name: spastic paraplegia 20 (Troyer syndrome)	
Isotyp: IgG	Berechnete Masse: 75 kDa, 85 kDa	
Immunogen Katalognummer: AG4815	Beobachtete Masse: 75-84 kDa	

Anwendungen

Geprüfte Anwendungen: FC, IHC, IP, WB, ELISA	Positivkontrollen: WB : HEK-293-Zellen, HeLa-Zellen, NIH/3T3-Zellen IP : HeLa-Zellen, IHC : humanes Leberkarzinomgewebe, humanes Mammakarzinomgewebe
In Publikationen genannte Anwendungen: IF, IHC, WB	
Getestete Reaktivität: Human, Maus, Ratte	
Zitierte Arten: Human, Maus	
Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

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

Lagerung

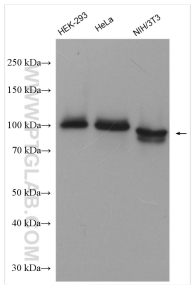
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

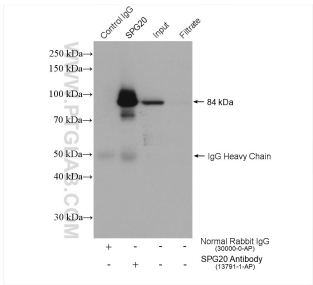
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

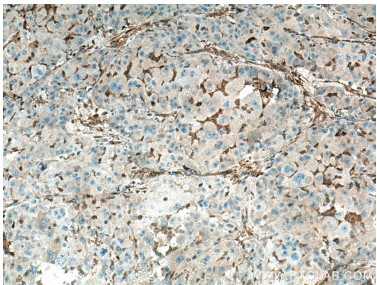
Ausgewählte Validierungsdaten



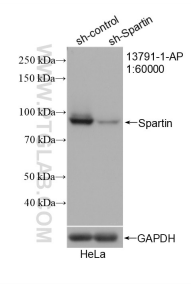
Various lysates were subjected to SDS PAGE followed by western blot with 13791-1-AP (Spartin, SPG20 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



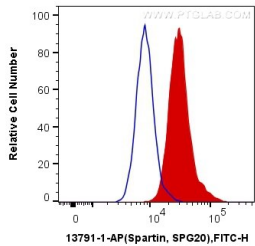
IP result of anti-Spartin, SPG20(IP:13791-1-AP, 4ug; Detection:13791-1-AP 1:2000) with HeLa cells lysate 2320 ug.



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).