

Nur für Forschungszwecke

CHMP2B Polyklonaler Antikörper

Katalog-Nr.:12527-1-AP

Vorgestelltes Produkt

11 Publikationen



Allgemeine Informationen

Katalog-Nr.: 12527-1-AP	GenBank-Zugangsnummer: BC001553	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 400 µg/ml von Nanodrop und 133 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 25978	Empfohlene Verdünnungen: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:10-1:100
Wirt: Kaninchen	Vollständiger Name: chromatin modifying protein 2B	
Isotyp: IgG	Berechnete Masse: 24 kDa	
Immunogen Katalognummer: AG3222	Beobachtete Masse: 32 kDa	

Anwendungen

Geprüfte Anwendungen:

IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Hausschwein, Human, Maus, Ratte

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: NIH/3T3-Zellen, humanes Herzgewebe, humanes Hirngewebe, humanes Ileumgewebe, humanes Nierengewebe, humanes Plazenta-Gewebe, Maushirngewebe

IHC: humanes Leberkarzinomgewebe, humanes Hirngewebe, humanes Lebergewebe

IF: HepG2-Zellen, PFA-fixierte Zellen

Hintergrundinformationen

CHMP2B, chromatin-modifying protein 2b, also named as CHMP2.5, VPS2B and VPS2.2, belongs to the chromatin-modifying protein / charged multivesicular body protein (CHMP) family. It is a component of endosomal sorting complex required for transport III (ESCRT-III), which involves in endosomal and autophagic trafficking of proteins to lysosomes for degradation. Mutations of CHMP2B lead to C-terminal truncation or been replaced with mis-splicing C-termini and cause frontotemporal lobar degeneration (FTLD). In CHMP2B mutation patients, p62- and ubiquitin-positive, but TDP-43 and FUS negative neural inclusions are formed, maybe caused by impaired lysosomal degradation through the autophagy and endosome-lysosome pathways.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Kun Gao	29743530	Cell Death Dis	IF
Xiaokang Li	35235147	J Cardiovasc Transl Res	IHC
Cristina Ballesteros	29957332	Int J Parasitol Drugs Drug Resist	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

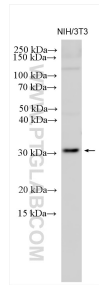
For technical support and original validation data for this product please contact:

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

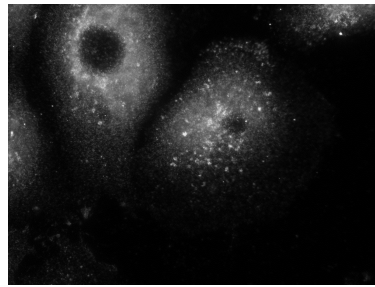
E: proteintech@ptglab.com
W: ptglab.com

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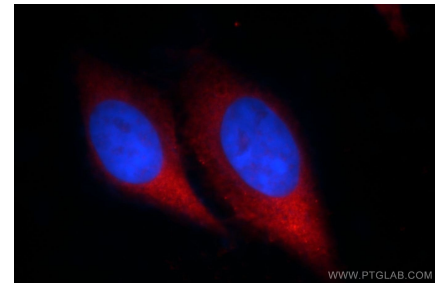
Ausgewählte Validierungsdaten



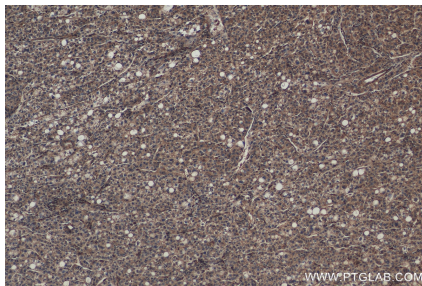
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 12527-1-AP (CHMP2B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



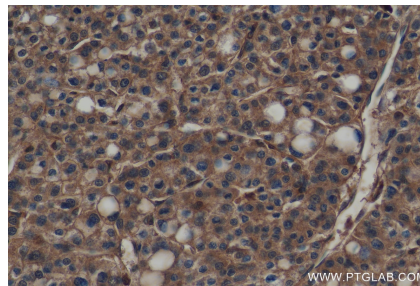
IF result (endosomal stain) of anti-CHMP2B (12527-1-AP) with the cell (PFA fixed) which has been treated with siRNA for VPS4 by Dr. Philip Woodman.



Immunofluorescent analysis of HepG2 cells, using CHMP2B antibody 12527-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 12527-1-AP (CHMP2B antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 12527-1-AP (CHMP2B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).