

For Research Use Only

CHMP2B Recombinant monoclonal antibody, PBS Only

Catalog Number: 87151-1-PBS



Basic Information

Catalog Number: 87151-1-PBS	GenBank Accession Number: BC001553	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 25978	CloneNo.: 252352F2
Source: Rabbit	UNIPROT ID: Q9UQN3	
Isotype: IgG	Full Name: chromatin modifying protein 2B	
Immunogen Catalog Number: AG3222	Calculated MW: 24 kDa	
	Observed MW: 30-32 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

CHMP2B, chromatin-modifying protein 2b, also named CHMP2.5, VPS2B, and VPS2-2, belongs to the chromatin-modifying protein / charged multivesicular body protein (CHMP) family. It is a component of the endosomal sorting complex required for transport III (ESCRT-III), which is involved in endosomal and autophagic trafficking of proteins to lysosomes for degradation. Mutations of CHMP2B lead to C-terminal truncation or are 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, which may be caused by impaired lysosomal degradation through the autophagy and endosome-lysosome pathways.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

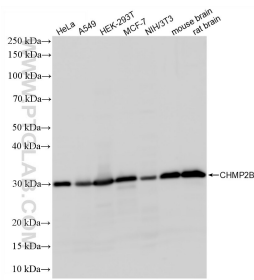
For technical support and original validation data for this product please contact:

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

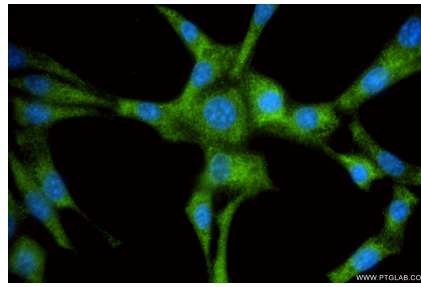
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87151-1-RR (CHMP2B antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87151-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using CHMP2B antibody (87151-1-RR, Clone: 252352F2) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 87151-1-PBS in a different storage buffer formulation.