

For Research Use Only

CHMP2B Recombinant monoclonal antibody

Catalog Number: 87151-1-RR



Basic Information

Catalog Number: 87151-1-RR	GenBank Accession Number: BC001553	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 25978	CloneNo.: 252352F2
Isotype: IgG	UNIPROT ID: Q9UQN3	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:250-1:1000
Immunogen Catalog Number: AG3222	Full Name: chromatin modifying protein 2B	
	Calculated MW: 24 kDa	
	Observed MW: 30-32 kDa	

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : HeLa cells, A549 cells, HEK-293T cells, MCF-7 cells, NIH/3T3 cells, mouse brain tissue, rat brain tissue

IF/ICC : NIH/3T3 cells, HeLa cells

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

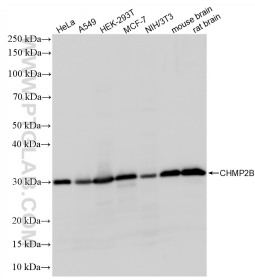
T: 4006900926

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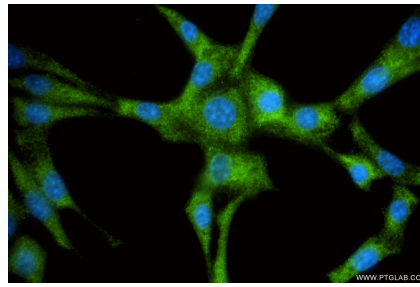
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Selected Validation Data



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.



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).