

For Research Use Only

TMEM41B Recombinant antibody

Catalog Number: 84510-4-RR



Basic Information

Catalog Number: 84510-4-RR	GenBank Accession Number: BC035034	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 440026	CloneNo.: 242017C11
Source: Rabbit	UNIPROT ID: Q5BJD5	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG	Full Name: transmembrane protein 41B	
Immunogen Catalog Number: AG30810	Calculated MW: 32 kDa	
	Observed MW: 25-28 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HEK-293 cells, A549 cells, A2780 cells
Species Specificity: human	

Background Information

Transmembrane protein 41B (TMEM41B), also known as Stasimon, is a major target of survival motor neuron (SMN)-dependent U12 splicing and has been identified as a protein required for motor circuit function (PMID: 23063131). TMEM41B localizes to the endoplasmic reticulum. It is involved in autophagosome biogenesis and lipid mobilization (PMID: 30126924). TMEM41B has been shown to be essential for mouse embryonic development (PMID: 30352685). Additionally, genome-scale CRISPR knockout screens reveal that TMEM41B is required for infection of flavivirus and coronavirus, including SARS-CoV-2 (PMID: 33052348; 33052332). Alternative splicing results in three transcript variants encoding distinct isoforms.

Storage

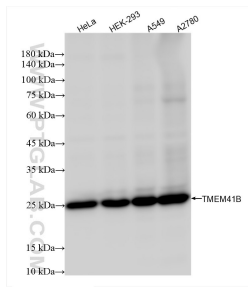
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 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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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84510-4-RR (TMEM41B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.