

For Research Use Only

TMEM41B Recombinant antibody, PBS Only

Catalog Number: 84510-4-PBS



Basic Information

Catalog Number: 84510-4-PBS	GenBank Accession Number: BC035034	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 440026	CloneNo.: 242017C11
Source: Rabbit	UNIPROT ID: Q5BJD5	
Isotype: IgG	Full Name: transmembrane protein 41B	
Immunogen Catalog Number: AG30810	Calculated MW: 32 kDa	
	Observed MW: 25-28 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

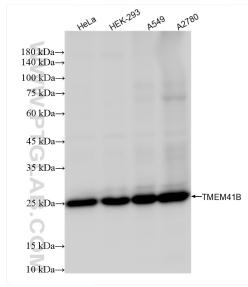
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E: Proteintech-CN@ptglab.com

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

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. This data was developed using the same antibody clone with 84510-4-PBS in a different storage buffer formulation.