

For Research Use Only

# TMEM41B Recombinant antibody, PBS Only

Catalog Number: 84510-4-PBS



## Basic Information

<b>Catalog Number:</b> 84510-4-PBS	<b>GenBank Accession Number:</b> BC035034	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 440026	<b>CloneNo.:</b> 242017C11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q5BJD5	
<b>Isotype:</b> IgG	<b>Full Name:</b> transmembrane protein 41B	
<b>Immunogen Catalog Number:</b> AG30810	<b>Calculated MW:</b> 32 kDa	
	<b>Observed MW:</b> 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

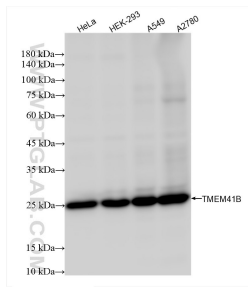
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

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