

For Research Use Only

TMEM41B Polyclonal antibody, PBS Only

Catalog Number: 29270-1-PBS

Featured Product



Basic Information

Catalog Number:

29270-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30810

GenBank Accession Number:

BC035034

GeneID (NCBI):

440026

UNIPROT ID:

Q5BJD5

Full Name:

transmembrane protein 41B

Calculated MW:

32 kDa

Observed MW:

22-28 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse

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:

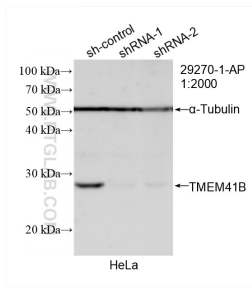
T: 4006900926

E: Proteintech-CN@ptglab.com

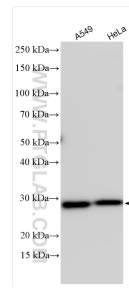
W: ptgcn.com

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

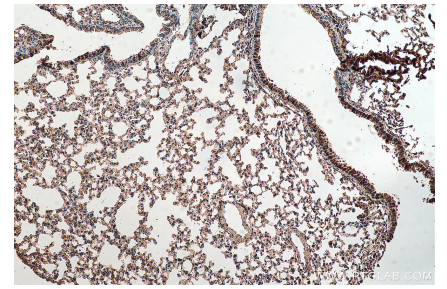
Selected Validation Data



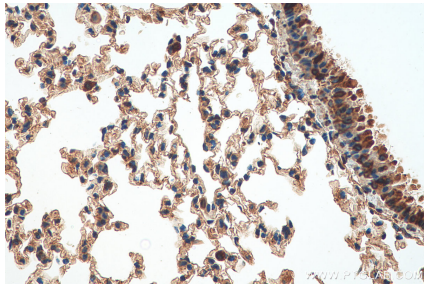
WB result of TMEM41B antibody (29270-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TMEM41B transfected HeLa cells. This data was developed using the same antibody clone with 29270-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 29270-1-AP (TMEM41B antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 29270-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 29270-1-AP (TMEM41B antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29270-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 29270-1-AP (TMEM41B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29270-1-PBS in a different storage buffer formulation.