

For Research Use Only

TMEM106B (1-46aa) Monoclonal antibody

Catalog Number: 60333-1-Ig

Featured Product

8 Publications



Basic Information

Catalog Number:

60333-1-Ig

Size:

150ul, Concentration: 1500 ug/ml by

Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG21448

GenBank Accession Number:

BC033901

GeneID (NCBI):

54664

UNIPROT ID:

Q9NUM4

Full Name:

transmembrane protein 106B

Calculated MW:

31 kDa

Observed MW:

~40 kDa

Purification Method:

Protein G purification

CloneNo.:

5D1F8

Recommended Dilutions:

WB: 1:5000-1:50000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : U2OS cells, HeLa cells, K-562 cells, LNCaP cells, A549 cells, Jurkat cells

IP : HeLa cells,

Background Information

TMEM106B is a genetic risk factor for frontotemporal lobar degeneration with TDP-43 inclusions (FTLD-TDP). Amyotrophic lateral sclerosis (ALS), like FTLD-TDP, is characterized by pathological TDP-43 inclusions. TMEM106B expression in the brain may be linked to mechanisms of disease in FTLD-TDP and risk alleles confer genetic susceptibility by increasing gene expression.

Notable Publications

Author	Pubmed ID	Journal	Application
Andrew Chang	35247328	Cell	
Jolien Perneel	36527486	Acta Neuropathol	
Claudia S Bauer	36619668	Front Cell Neurosci	WB

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

*** 20ul sizes contain 0.1% BSA

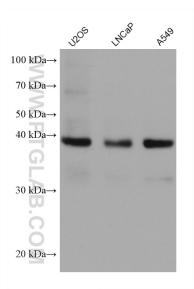
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

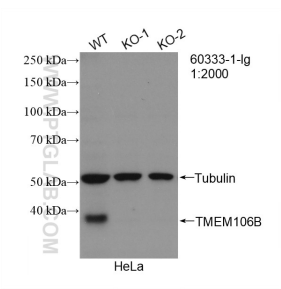
E: proteintech@ptglab.com
W: ptglab.com

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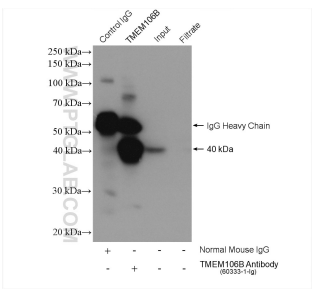
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60333-1-Ig (TMEM106B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of TMEM106B antibody (60333-1-Ig; 1:2000; room temperature for 1.5 hours) with wild-type and TMEM106B knockout HeLa cells.



IP result of anti-TMEM106B (IP:60333-1-Ig, 5ug; Detection:60333-1-Ig 1:500) with HeLa cells lysate 1720 ug.