

For Research Use Only

TMEM106B (150-274aa) Polyclonal antibody

Catalog Number: 20995-1-AP

Featured Product

11 Publications



Basic Information

| | | |
|--|---|--|
| Catalog Number: 20995-1-AP | GenBank Accession Number: BC033901 | Purification Method: Antigen affinity purification |
| Size: 150ul, Concentration: 700 ug/ml by Nanodrop; | GeneID (NCBI): 54664 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: Q9NUM4 | |
| Isotype: IgG | Full Name: transmembrane protein 106B | |
| Immunogen Catalog Number: AG14264 | Calculated MW: 31 kDa | |
| | Observed MW: 31-35 kDa, 40-55 kDa | |

Applications

| | |
|--|--|
| Tested Applications: WB, IHC, ELISA | Positive Controls: WB : A549 cells, HeLa cells, HepG2 cells IHC : rat brain tissue, |
| Cited Applications: WB, IF | |
| Species Specificity: human, mouse | |
| Cited Species: human, mouse | |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

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. TMEM106B can be showed as 31-55 kDa and 70-90 kDa (Glycosylated or Dimer) form in western blot test. (PMID: 27543298, 22895706, PMID: 23136129).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|----------------|-----------|---------------------|-------------|
| Kui Xiao | 34714841 | PLoS One | WB |
| Jun-Ichi Satoh | 24684749 | Alzheimers Res Ther | WB |
| Andrew Chang | 35247328 | Cell | |

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

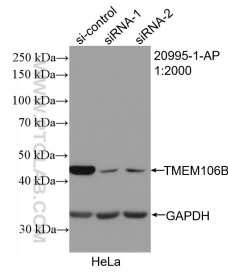
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data

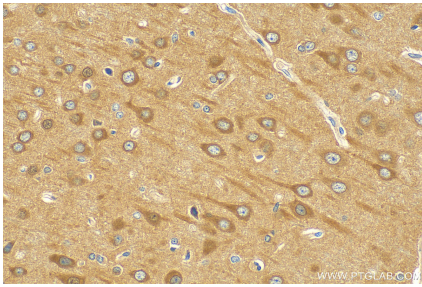


Various lysates were subjected to SDS PAGE followed by western blot with 20995-1-AP (TMEM106B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 20995-1-AP (TMEM106B (150-274aa) antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

WB result of TMEM106B antibody (20995-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TMEM106B transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 20995-1-AP (TMEM106B (150-274aa) antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).