

For Research Use Only

TMEM175 Monoclonal antibody, PBS Only



Catalog Number: 68172-1-PBS

Featured Product

Basic Information

Catalog Number:

68172-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG13890

GenBank Accession Number:

BC005158

GeneID (NCBI):

84286

UNIPROT ID:

Q9BSA9

Full Name:

transmembrane protein 175

Calculated MW:

504 aa, 56 kDa

Observed MW:

55-60 kDa

Purification Method:

Protein A purification

CloneNo.:

1E7E1

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat, pig, rabbit

Background Information

TMEM175 has two repeats of 6-transmembrane-spanning segments and has no GYG K⁺ channel sequence signature-containing, pore-forming P loop. Lysosomes lacking TMEM175 exhibit no K⁺ conductance, have a markedly depolarized $\Delta \Psi$ and little sensitivity to changes in [K⁺], and have compromised luminal pH stability and abnormal fusion with autophagosomes during autophagy. TMEM175 comprises a K⁺ channel that underlies the molecular mechanism of lysosomal K⁺ permeability.

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:

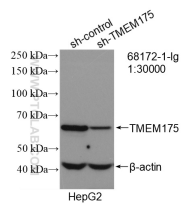
T: 4006900926

E: Proteintech-CN@ptglab.com

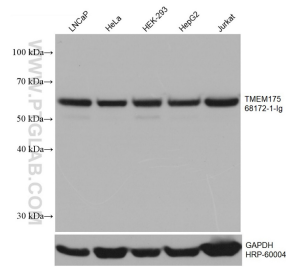
W: ptgcn.com

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Selected Validation Data



WB result of TMEM175 antibody (68172-1-Ig; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TMEM175 transfected HepG2 cells. This data was developed using the same antibody clone with 68172-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 68172-1-Ig (TMEM175 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 68172-1-PBS in a different storage buffer formulation.