For Research Use Only

TMEM175 Monoclonal antibody, PBS Only

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Catalog Number:68172-1-PBS Featured Product

Basic Information

Catalog Number:
68172-1-PBS

Size:
100ug , Concentration: 1mg/ml by Nanodrop;

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 ΔΨ 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.
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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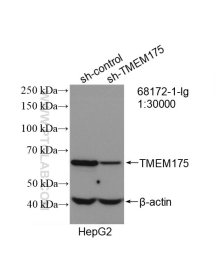
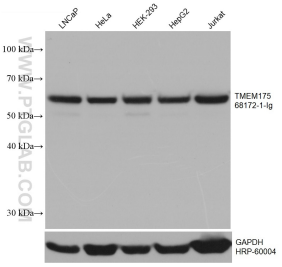
Selected Validation Data



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.