For Research Use Only

TMEM175 Monoclonal antibody

Catalog Number:68172-1-Ig Featured Product

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Basic Information

Catalog Number:
68172-1-Ig

Size:
150ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG13890

GenBank Accession Number:
BC005158

GeneID (NCBI):
84286

Full Name:
transmembrane protein 175

Calculated MW:
504 aa, 56 kDa

Observed MW:
55-60 kDa

Purification Method:
Protein A purification

CloneNo.:
1E7E1

Recommended Dilutions:
WB 1:5000-1:50000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, Mouse, Rat, Pig, Rabbit

Positive Controls:

WB : LNCaP cells, pig liver tissue, rabbit liver tissue, HepG2 cells, rat liver tissue, HeLa cells, HEK-293 cells, Jurkat cells

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.

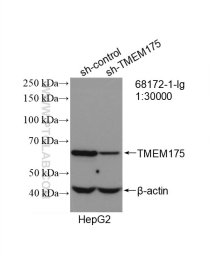
Storage

Storage:
Store at -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

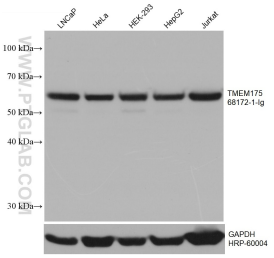
*** 20ul sizes contain 0.1% BSA

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

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.



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.