

For Research Use Only

TMEM174 Polyclonal antibody

Catalog Number: 31210-1-AP

Featured Product



Basic Information

Catalog Number:

31210-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35041

GenBank Accession Number:

BC019346

GeneID (NCBI):

134288

UNIPROT ID:

Q8WUU8

Full Name:

transmembrane protein 174

Observed MW:

55-60 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:500-1:2000

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

Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

human

Positive Controls:

WB: HEK-293 cells, HEK-293T cells, Jurkat cells

IP: Jurkat cells,

Background Information

Transmembrane protein 174 (TMEM174) is comprised of 243 amino acids, and contains two predicted transmembrane helices which determine its subcellular localization in endoplasmic reticulum and influences its functions (PMID: 20331980). TMEM174 mRNA is easily detectable in human kidney tissues and activates AP-1 and promotes 293T cell proliferation (PMID: 25202393). The Tmem174 protein was extremely highly expressed in the kidney and localized at the apical membrane of the renal proximal tubules. Tmem174 binds to NaPi2a on the cell membrane and is involved in the internalization of NaPi2a (PMID: 35428804). Tmem174 is considered to be a component of the NaPi2a/NHERF1 complex that receives signals from PTH and FGF23 (PMID: 35428804). This antibody may recognize the dimer.

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

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

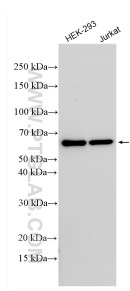
T: 4006900926

E: Proteintech-CN@ptglab.com

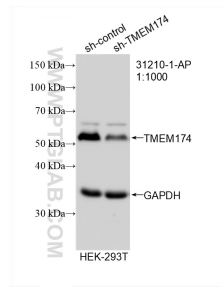
W: ptgcn.com

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

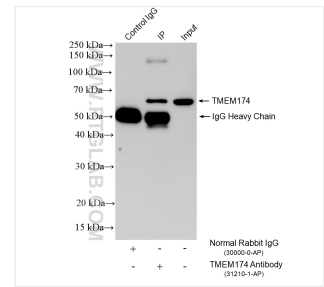
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31210-1-AP (TMEM174 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



WB result of TMEM174 antibody (31210-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TMEM174 transfected HEK-293T cells.



IP result of anti-TMEM174 (IP:31210-1-AP, 4 μ g; Detection:31210-1-AP 1:800) with Jurkat cells lysate 1360 μ g.