

For Research Use Only

TMEM38B Polyclonal antibody

Catalog Number: 19919-1-AP

Featured Product



Basic Information

Catalog Number:

19919-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 380 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13835

GenBank Accession Number:

BC000049

GeneID (NCBI):

55151

UNIPROT ID:

Q9NVV0

Full Name:

transmembrane protein 38B

Calculated MW:

291 aa, 33 kDa

Observed MW:

28 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, MCF-7 cells

IHC : mouse testis tissue, human kidney tissue

IF/ICC : HepG2 cells,

Background Information

TMEM38B, also named as Trimeric intracellular cation channel type B, is a 291 amino acid protein, which belongs to the TMEM38 family. TMEM38B localizes in the endoplasmic reticulum and may act as a potassium counter-ion channel that functions in synchronization with calcium release from intracellular stores. TMEM38B has an association with Osteogenesis imperfecta 14.

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

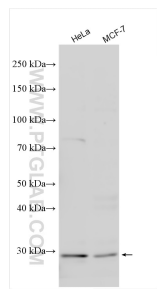
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

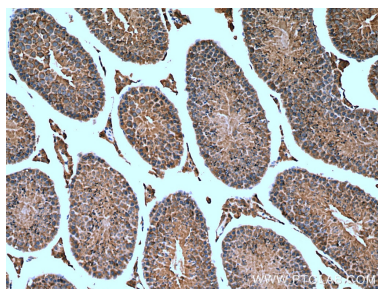
E: proteintech@ptglab.com
W: ptglab.com

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

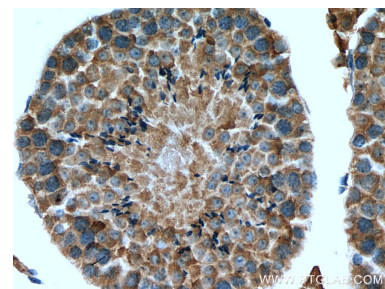
Selected Validation Data



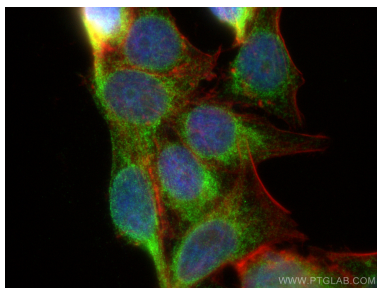
Various lysates were subjected to SDS PAGE followed by western blot with 19919-1-AP (TMEM38B antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



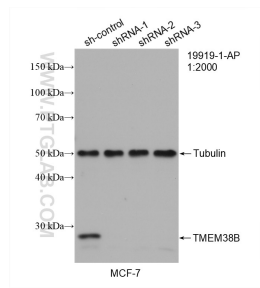
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 19919-1-AP (TMEM38B antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 19919-1-AP (TMEM38B antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TMEM38B antibody (19919-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).



WB result of TMEM38B antibody (19919-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TMEM38B transfected MCF-7 cells.