

For Research Use Only

TMEM38B Polyclonal antibody

Catalog Number: 19919-1-AP

Featured Product



Basic Information

Catalog Number: 19919-1-AP	GenBank Accession Number: BC000049	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 380 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 55151	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 IF 1:10-1:100
Source: Rabbit	Full Name: transmembrane protein 38B	
Isotype: IgG	Calculated MW: 291 aa, 33 kDa	
Immunogen Catalog Number: AG13835	Observed MW: 28 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : HeLa cells, MCF-7 cells IHC : mouse testis tissue, human kidney tissue IF : HeLa cells,
Species Specificity: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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

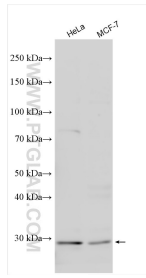
For technical support and original validation data for this product please contact:

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

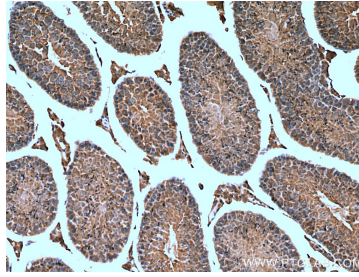
E: proteintech@ptglab.com
W: ptglab.com

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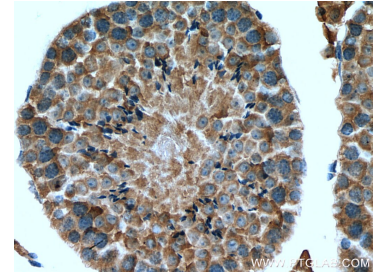
Selected Validation Data



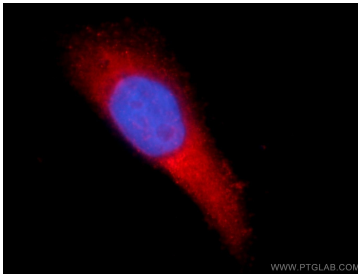
Various lysates were subjected to SDS PAGE followed by western blot with 19919-1-AP (TMEM38B antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



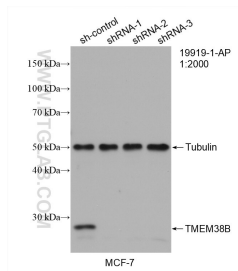
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 19919-1-AP (TMEM38B antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 HeLa cells using 19919-1-AP (TMEM38B antibody) at dilution of 1:25 and Alexa Fluor 594-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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.