

For Research Use Only

TMEM64 Polyclonal antibody

Catalog Number: 21274-1-AP



Basic Information

Catalog Number: 21274-1-AP	GenBank Accession Number: BC113828	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 ug/ml by Nanodrop;	GeneID (NCBI): 169200	Recommended Dilutions: WB 1:1000-1:5000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q6YI46	
Isotype: IgG	Full Name: transmembrane protein 64	
Immunogen Catalog Number: AG15753	Calculated MW: 380 aa, 40 kDa	
	Observed MW: 40-45 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse brain tissue, rat brain tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human prostate cancer tissue,

Background Information

Tmem64 (transmembrane protein 64) is a positive modulator of osteoclast differentiation by SERCA2-dependent Ca²⁺ signaling (PMID: 23395171). Altered Levels of mRNAs for Calcium-Binding/Associated Proteins, Annexin A1, S100A4, and TMEM64 are associated with osteoporosis in peripheral blood mononuclear cells (PMID: 31814858). Tmem64 is involved in the metastatic progression of prostate cancer cells by regulating Wnt3a secretion (PMID: 31289498).

Storage

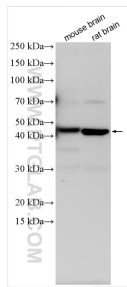
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

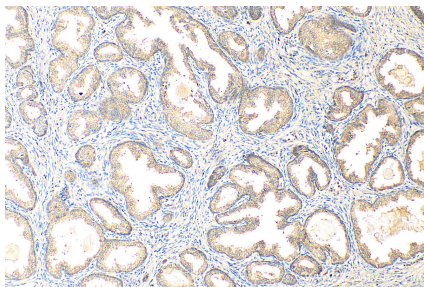
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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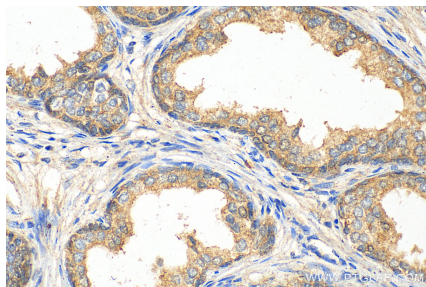
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21274-1-AP (TMEM64 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 21274-1-AP (TMEM64 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with .



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 21274-1-AP (TMEM64 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with .