

For Research Use Only

TMEM66 Polyclonal antibody, PBS Only

Catalog Number: 29599-1-PBS



Basic Information

Catalog Number:

29599-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29388

GenBank Accession Number:

BC015012

GeneID (NCBI):

51669

UNIPROT ID:

Q96BY9

Full Name:

transmembrane protein 66

Calculated MW:

339 aa, 37 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

IHC, Indirect ELISA

Species Specificity:

human, mouse

Background Information

TMEM66/SOCE-associated regulatory factor (SARAF) is an endoplasmic reticulum (ER)-resident transmembrane protein that promotes SOCE inactivation and prevents Ca²⁺ overfilling of the cell. TMEM66 plays a key role in shaping cytosolic Ca²⁺ signals and determining the content of the major intracellular Ca²⁺ stores, which is probably important in protecting the cell from Ca²⁺ overfilling (PMID: 37007714). TMEM66 is a highly conserved protein in vertebrates. In mammals, TMEM66 is ubiquitously expressed, but has significantly high transcript levels in the immune and neuronal tissues (PMID: 25469256). Moreover, TMEM66 is an androgen-responsive marker for prostate cancer and mTOR-dependent cardiac growth (PMID:32173353).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only

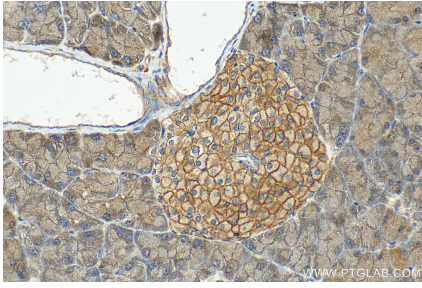
For technical support and original validation data for this product please contact:

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

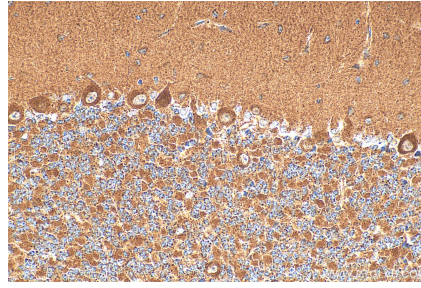
E: proteintech@ptglab.com
W: ptglab.com

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

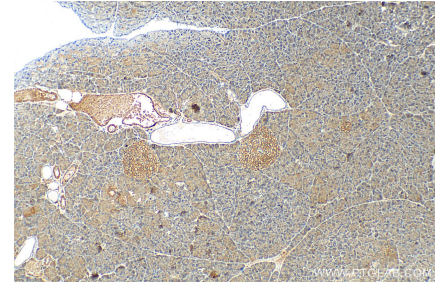
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 29599-1-AP (TMEM66 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29599-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 29599-1-AP (TMEM66 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29599-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 29599-1-AP (TMEM66 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29599-1-PBS in a different storage buffer formulation.