

For Research Use Only

TMEM66 Polyclonal antibody, PBS Only

Catalog Number: 29599-1-PBS



Basic Information

Catalog Number: 29599-1-PBS	GenBank Accession Number: BC015012	Purification Method: Antigen affinity purification
Concentration: 1 mg/ml	GeneID (NCBI): 51669	
Source: Rabbit	UNIPROT ID: Q96BY9	
Isotype: IgG	Full Name: transmembrane protein 66	
Immunogen Catalog Number: AG29388	Calculated MW: 339 aa, 37 kDa	

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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only

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

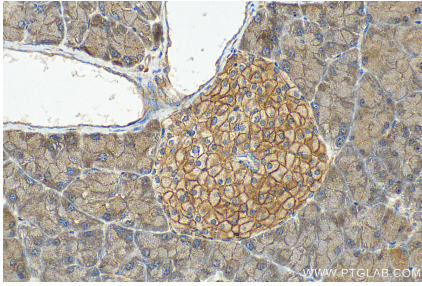
T: 4006900926

E: Proteintech-CN@ptglab.com

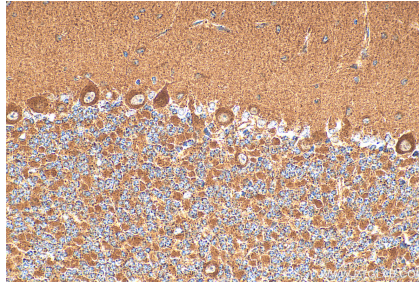
W: ptgcn.com

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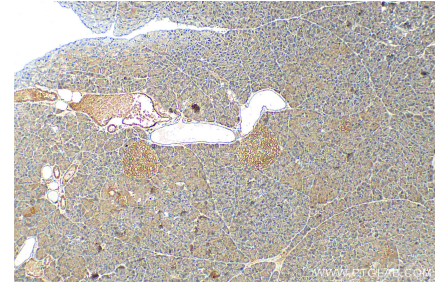
Selected Validation Data



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.