

For Research Use Only

TMEM66 Polyclonal antibody

Catalog Number: 29599-1-AP



Basic Information

Catalog Number: 29599-1-AP	GenBank Accession Number: BC015012	Purification Method: Antigen affinity purification
Concentration: 1000 ug/ml	GeneID (NCBI): 51669	Recommended Dilutions: IHC 1:50-1:500
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, ELISA	Positive Controls: IHC : mouse pancreas tissue, mouse cerebellum tissue
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

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

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

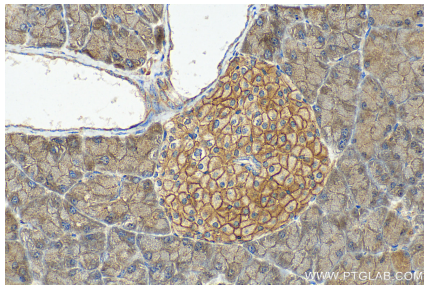
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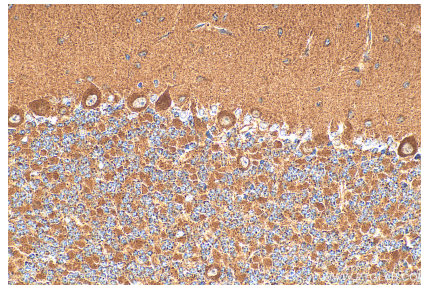
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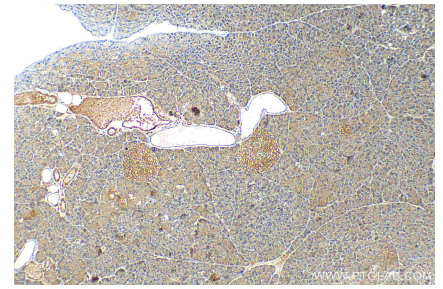
Selected Validation Data



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).



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).



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).