

For Research Use Only

# TMEM66 Polyclonal antibody

Catalog Number: 29599-1-AP



## Basic Information

<b>Catalog Number:</b> 29599-1-AP	<b>GenBank Accession Number:</b> BC015012	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 51669	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96BY9	
<b>Isotype:</b> IgG	<b>Full Name:</b> transmembrane protein 66	
<b>Immunogen Catalog Number:</b> AG29388	<b>Calculated MW:</b> 339 aa, 37 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : mouse pancreas tissue,
<b>Species Specificity:</b> Human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

TMEM66/SOCE-associated regulatory factor (SARAF) is an endoplasmic reticulum (ER)-resident transmembrane protein that promotes SOCE inactivation and prevents Ca<sup>2+</sup> overfilling of the cell. TMEM66 plays a key role in shaping cytosolic Ca<sup>2+</sup> signals and determining the content of the major intracellular Ca<sup>2+</sup> stores, which is probably important in protecting the cell from Ca<sup>2+</sup> 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 androgenresponsive 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 pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

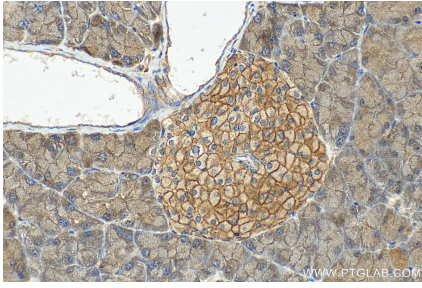
T: 4006900926

E: Proteintech-CN@ptglab.com

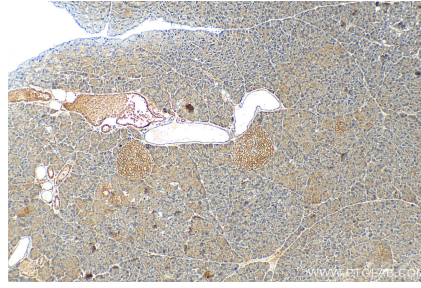
W: ptgcn.com

**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).



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).