

For Research Use Only

Anti-Human TRPM5 Rabbit Recombinant Antibody

Catalog Number: 98691-2-RR



Basic Information

Catalog Number:

98691-2-RR

Concentration:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC093787

GeneID (NCBI):

29850

UNIPROT ID:

Q9NZQ8

Full Name:

transient receptor potential cation channel, subfamily M, member 5

Calculated MW:

98 kDa, 131 kDa

Purification Method:

Protein A purification

CloneNo.:

251123E12

Recommended Dilutions:

IHC: 1:500-1:2000

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

IHC, FC (Intra)

Species Specificity:

human

Positive Controls:

IHC : human pancreas tissue,

FC (Intra) : LNCaP cells,

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

Transient receptor potential (TRP) proteins are a diverse family of proteins with structural features typical of ion channels (PMID: 14634208). TRPM5 is a member of the TRPM (melastatin-like) subfamily which are Ca²⁺-permeable cation channels localized predominantly to the plasma membrane (PMID: 11864597). TRPM5 plays a central role in taste transduction (PMID: 17610722). TRPM5 is implicated in enhancing TRPA1 expression and may be involved in regulating insulin secretion (PMID: 21932052).

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

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

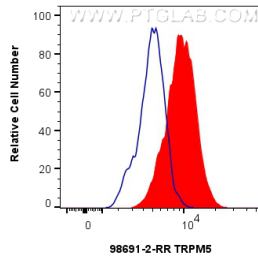
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E: Proteintech-CN@ptglab.com

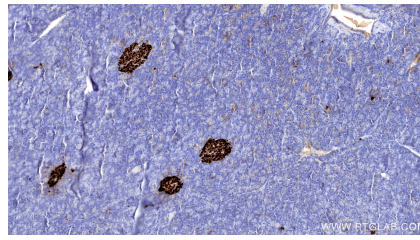
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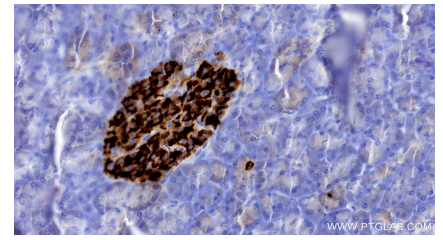
Selected Validation Data



1×10^6 LNCaP cells were intracellularly stained with 0.25 μ g Anti-Human TRPM5 Rabbit RecAb (98691-2-RR, Clone: 251123E12) (red) or 0.25 μ g Isotype Control (blue), and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 98691-2-RR (TRPM5 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 98691-2-RR (TRPM5 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).