

For Research Use Only

TRPM4 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87085-1-PBS



Basic Information

Catalog Number:

87085-1-PBS

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC132727

GeneID (NCBI):

54795

UNIPROT ID:

Q8TD43

Full Name:

transient receptor potential cation channel, subfamily M, member 4

Calculated MW:

1214 aa, 134 kDa

Observed MW:

130-150 kDa

Purification Method:

Protein A purification

CloneNo.:

250968D6

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

Background Information

TRPM4 is a Calcium-activated nonselective cation channel. It is activated by increase in intracellular Ca²⁺, mediates transport of monovalent cations (Na⁺ > K⁺ > Cs⁺ > Li⁺), leading to depolarize the membrane. It thereby plays a central role in cardiomyocytes, neurons from entorhinal cortex, dorsal root and vomeronasal neurons, endocrine pancreas cells, kidney epithelial cells, cochlea hair cells etc. TRPM4 participates in T-cell activation by modulating Ca²⁺ oscillations after T lymphocyte activation, which is required for NFAT-dependent IL2 production. It's also involved in myogenic constriction of cerebral arteries.

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, pH7.3

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

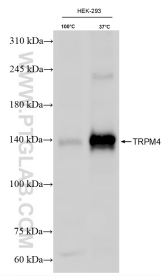
T: 4006900926

E: Proteintech-CN@ptglab.com

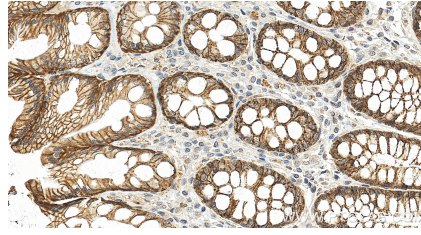
W: ptgcn.com

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Selected Validation Data



HEK-293 cell lysates (100°C treated and 37°C) were subjected to SDS PAGE followed by western blot with 87085-1-RR (TRPM4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87085-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 87085-1-RR (TRPM4 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 87085-1-PBS in a different storage buffer formulation.