Nur für Forschungszwecke

TRPM5 Polyklonaler Antikörper

Katalog-Nr.:18027-1-AP Vorgestelltes Produkt 4 Publikationen

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Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
18027-1-AP

Größe:
150ul , Konzentration: 600 µg/ml von Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG12593

GenBank-Zugangsnummer:
BC093787

GeneID (NCBI):
29850

Vollständiger Name:
transient receptor potential cation channel, subfamily M, member 5

Berechneté Masse:
98 kDa, 131 kDa

Beobachteté Masse:
98 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:500-1:1000
IHC 1:50-1:500
IF 1:50-1:200

Anwendungen

Geprüfte Anwendungen:
IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:
IF, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : Mauslebergewebe,

IHC : humanes Dünndarmgewebe,

IF : Maus-Riechepithelgewebe,

Hintergrundinformationen

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 Ca(2+)-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). Alternative splicing results in transcript variants encoding distinct isoforms with calculated molecular weights of 98 kDa or 131 kDa. It has been reported that TRPM5 is N-linked glycosylated at a unique site and TRPM5 glycosylation seems not to be involved in channel trafficking, but mainly in its functional regulation (PMID: 24605085).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Lynnette Phillips McCluskey	31669578	Appetite	IF
Zhen Xiong	35320705	Immunity	WB
Kunitoshi Uchida	33553759	Heliyon	IF

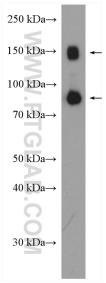
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

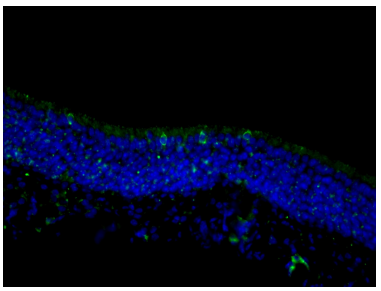
***** 20ul-Größen enthalten 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Ausgewählte Validierungsdaten

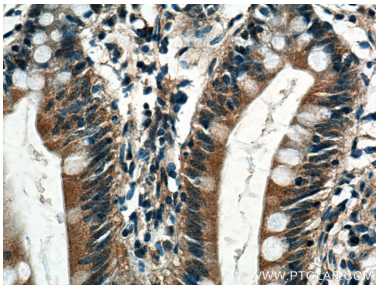


mouse liver tissue were subjected to SDS PAGE followed by western blot with 18027-1-AP (TRPM5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Fluorescent IHC on 1%PLP fixed frozen mouse olfactory epithelium tissue of TRPM5 antibody (18027-1-AP, 1:200). Microvillar cell staining in the apical layer. By Dr. Brian Lin (Schwob Lab).

Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 18027-1-AP (TRPM5 antibody) at dilution of 1:200 (under 10x lens)..



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 18027-1-AP (TRPM5 antibody) at dilution of 1:200 (under 40x lens)..