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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-TrpV3 Antibody [S15-4]

Mouse Anti-Rat TrpV3 Monoclonal IgG2a
Catalog No. SMC-319



Discovery through partnership | Excellence through quality

Overview

Product Name

TrpV3 Antibody

Description

Mouse Anti-Rat TrpV3 Monoclonal IgG2a

Species Reactivity

Human, Mouse, Rat

Applications

WB, IHC, ICC/IF, IP

Antibody Dilution

WB (1:1000), IHC (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.

Host Species

Mouse

Immunogen Species

Rat

Immunogen

Synthetic peptide amino acids 774-791 (C-terminus) of rat TrpV3

Concentration

1 mg/ml

Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

Properties

Storage Buffer

PBS pH7.4, 50% glycerol, 0.09% sodium azide

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Purification

Protein G Purified

Clonality

Monoclonal

Clone Number

S15-4

Isotype

IgG2a

Specificity

Detects ~70kDa.

Cite This Product

Mouse Anti-Rat TRPV3 Monoclonal, Clone S15-4 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-319)

Certificate Of Analysis

1 µg/ml of SMC-319 was sufficient for detection of TrpV3 in 10 µg of COS-1 cell lysate transiently transfected with TrpV3 by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

111003610Rik Antibody, MGC124324 Antibody, MGC124325 Antibody, Transient receptor potential cation channel subfamily V member 3 Antibody, TrpV3 Antibody, Trpv3 heat sensitive channel Antibody, TRPV3_HUMAN Antibody, Vanilloid receptor 3 Antibody, Vanilloid receptor like 3 Antibody, Vanilloid receptor-like 3 Antibody, vanilloid receptor-related osmotically activated channel protein Antibody, VRL 3,VRL-3 Antibody, VRL3 Antibody

Research Areas

Ion Channels, Neuroscience, Transient Receptor Potential Channels

Cellular Localization

Membrane

Accession Number

NP_001020928

Gene ID

497948

Swiss Prot

Q4QYD9

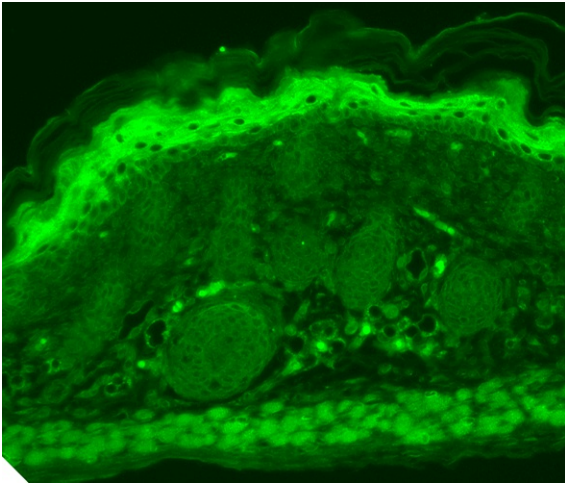
Scientific Background

The TRPV3 protein belongs to a family of nonselective cation channels that function in a variety of processes, including temperature sensation and vasoregulation. The thermosensitive members of this family are expressed in subsets of sensory neurons that terminate in the skin, and are activated at distinct physiological temperatures. This channel is activated at temperatures between 22 and 40 degrees C. The gene lies in close proximity to another family member (TRPV1) gene on chromosome 17, and the two encoded proteins are thought to associate with each other to form heteromeric channels (1, 2).

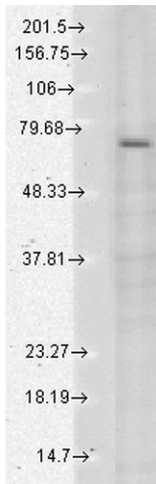
References

1. Masamoto Y., Kawabata F., Fushiki T. (2009) Biosci. Biotechnol. Biochem. 73(5): 1021-1027.
2. Xiao R., et al. (2008) J Biol Chem. 283(10): 6162-6174.

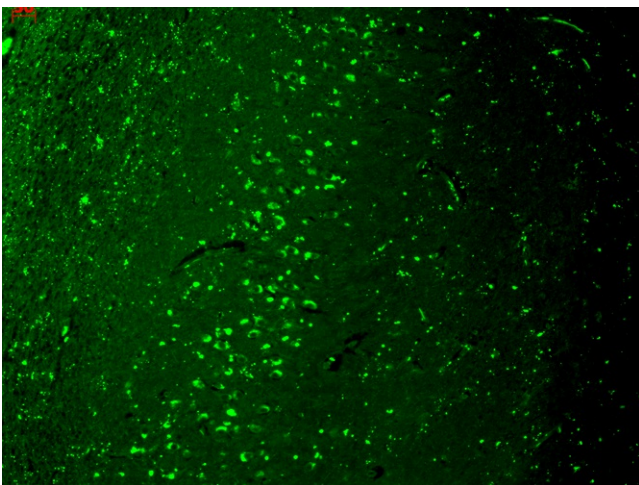
Product Images



Immunohistochemistry analysis using Mouse Anti-TrpV3 Monoclonal Antibody, Clone S15-4 (SMC-319). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-TrpV3 Monoclonal Antibody (SMC-319) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.



Western Blot analysis of Human Cell lysates showing detection of TrpV3 protein using Mouse Anti-TrpV3 Monoclonal Antibody, Clone S15-4 (SMC-319). Load: 15 µg protein. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-TrpV3 Monoclonal Antibody (SMC-319) at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



Immunohistochemistry analysis using Mouse Anti-TrpV3 Monoclonal Antibody, Clone S15-4 (SMC-319). Tissue: hippocampus. Species: Human. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-TrpV3 Monoclonal Antibody (SMC-319) at 1:1000 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.

Product Citations (2)

Other Citations

Biomarker Analysis with Grating Coupled Surface Plasmon Coupled Fluorescence.

Mendoza, A., Dias, J.A., Zeltner, T. and Lawrence, D.A. (2014) J Adv Bio & Biotech. 1(1): 1-22.

PubMed ID: **Reactivity:** Human **Applications:** Antibody Microarray

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PubMed ID: **Reactivity:** Mouse **Applications:** Antibody Microarray

Reviews

There are no reviews yet.