



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Anti-TrpV3 Antibody [S15-39]

Mouse Anti-Rat TrpV3 Monoclonal IgG2a  
Catalog No. SMC-334



Discovery through partnership | Excellence through quality

## Overview

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### 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 458-474 (cytoplasmic 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

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### Storage Buffer

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

### Storage Temperature

-20°C

### Shipping Temperature

Blue Ice or 4°C

### Purification

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Protein G Purified

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**Clonality**

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Monoclonal

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**Clone Number**

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S15-39

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**Isotype**

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IgG2a

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**Specificity**

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Detects ~70kDa.

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**Cite This Product**

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Mouse Anti-Rat TRPV3 Monoclonal, Clone S15-39 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-334)

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**Certificate Of Analysis**

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1 µg/ml of SMC-334 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

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**Biological Description**

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**Alternative Names**

VRL3 Antibody, vanilloid receptor 2 Antibody, transient receptor potential cation channel subfamily V member 3 Antibody, sensitive channel TRPV3 Antibody, 1110036I10Rik Antibody, MGC124324 Antibody, MGC124325 Antibody, Trpv3 heat sensitive channel Antibody, vanilloid receptor-related osmotically activated channel protein Antibody

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**Research Areas**

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Ion Channels, Neuroscience, Transient Receptor Potential Channels

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**Cellular Localization**

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Membrane

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**Accession Number**

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NP\_001020928

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**Gene ID**

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497948

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**Swiss Prot**

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Q4QYD9

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**Scientific Background**

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The TRPV3 protein belongs to a family of non-selective cation channels that function in a variety of processes, including temperature sensation and vasoregulation. The thermo sensitive 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).

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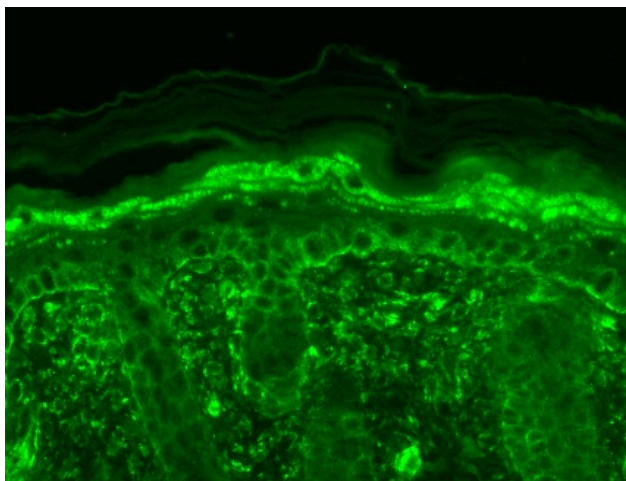
**References**

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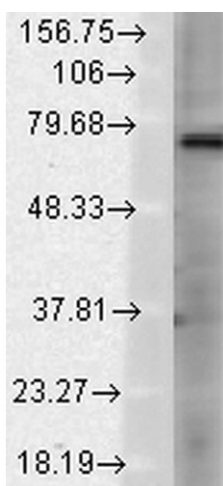
1. Masamoto Y., Kawabata F., Fushiki T. (2009) Biosci. Biotechnol. Biochem. 73(5): 1021-1027.

## Product Images

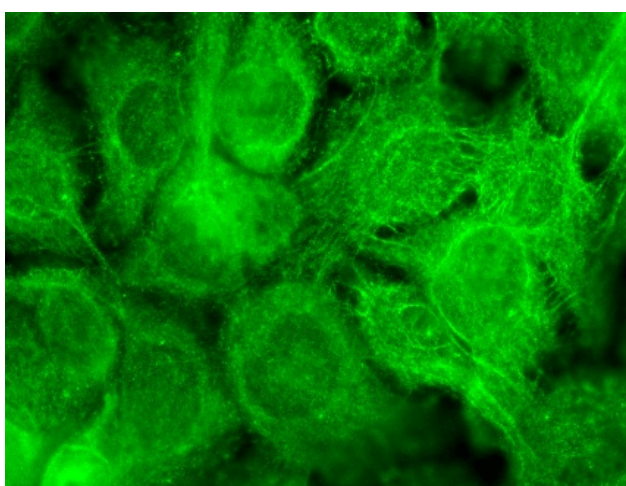
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Immunohistochemistry analysis using Mouse Anti-TrpV3 Monoclonal Antibody, Clone S15-39 (SMC-334). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-TrpV3 Monoclonal Antibody (SMC-334) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Filaggrinlike staining in upper layers. Dull lower layer cell staining. Some stain seen in hypodermis.



Western Blot analysis of Rat brain membrane lysate showing detection of TrpV3 protein using Mouse Anti-TrpV3 Monoclonal Antibody, Clone S15-39 (SMC-334). Load: 15  $\mu$ g protein. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-TrpV3 Monoclonal Antibody (SMC-334) at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-TrpV3 Monoclonal Antibody, Clone S15-39 (SMC-334). Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol for 10 minutes at  $-20^{\circ}\text{C}$ . Primary Antibody: Mouse Anti-TrpV3 Monoclonal Antibody (SMC-334) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Dotty staining in all cells. Some intermediate filamentlike staining in some cells.

## Product Citations (2)

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### Other Citations

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**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

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There are no reviews yet.