



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Anti-TrpC5 Antibody [S67-15]

Mouse Anti-Human TrpC5 Monoclonal IgG2b  
Catalog No. SMC-344



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

TrpC5 Antibody

### Description

Mouse Anti-Human TrpC5 Monoclonal IgG2b

### Species Reactivity

Human, Mouse, Rat

### Applications

WB, IHC, 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

Human

### Immunogen

Synthetic peptide amino acids 827-845 of human TrpC5 (also known as short transient receptor potential channel 5, and Htrp5)

### 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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S67-15

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**Isotype**

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IgG2b

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**Specificity**

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Detects ~110kDa.

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**Cite This Product**

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Mouse Anti-Human TRPC5 Monoclonal, Clone S67-15 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-344)

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**Certificate Of Analysis**

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1 µg/ml of SMC-344 was sufficient for detection of TrpC5 in 20 µg of rat brain lysate 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**

Htrp5 Antibody, Short transient receptor potential channel 5 Antibody, TRP5 Antibody

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**Research Areas**

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Cell Signaling, 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\_036603.1

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**Gene ID**

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7224

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**Swiss Prot**

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Q9UL62

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**Scientific Background**

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Transient receptor potential cation channel, subfamily C, member 5, also known as TRPC5, is a subtype of the TRPC family of mammalian transient receptor potential ion channels. Homo-multimeric TRPC5 and hetero-multimeric TRPC5-TRPC1 channels are activated by extracellular reduced thioredoxin (1). This activation probably plays a role in rheumatoid arthritis. It has also been recently found to be involved in the action on anaesthetics such as chloroform, halothane and propofol (2).

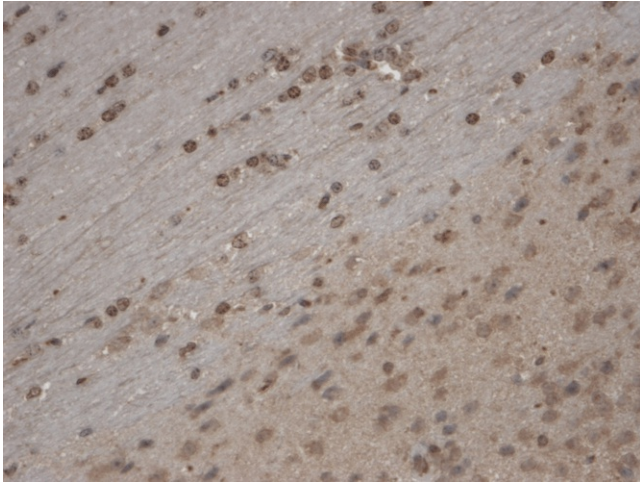
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**References**

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1. Xu S.Z., et al. (2008) Nature 451(7174): 69-72.
  2. Bahnasi Y.M., et al. (2008) Br J. Pharamcol. 153(7): 1505-1512.
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**Product Images**



Immunohistochemistry analysis using Mouse Anti-TrpC5 Monoclonal Antibody, Clone S67-15 (SMC-344). Tissue: Brain Slice. Species: Mouse. Fixation: 10% Formalin Solution for 12-24 hours at RT. Primary Antibody: Mouse Anti-TrpC5 Monoclonal Antibody (SMC-344) at 1:1000 for 1 hour at RT. Secondary Antibody: HRP/DAB Detection System: Biotinylated Goat Anti-Mouse, Streptavidin Peroxidase, DAB Chromogen (brown) for 30 minutes at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 250-500  $\mu$ l for 5 minutes at RT. Localization: Nuclear staining. Magnification: 10X.

## 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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## Reviews

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There are no reviews yet.