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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Cav3.1 Antibody [S178A-9]

Mouse Anti-Mouse Cav3.1 Monoclonal IgG1
Catalog No. SMC-405



Discovery through partnership | Excellence through quality

Overview

Product Name

Cav3.1 Antibody

Description

Mouse Anti-Mouse Cav3.1 Monoclonal IgG1

Species Reactivity

Human, Mouse, Rat

Applications

WB, IHC

Antibody Dilution

WB (1:1000); optimal dilutions for assays should be determined by the user.

Host Species

Mouse

Immunogen Species

Mouse

Immunogen

Fusion protein amino acids 2052-2172 (cytoplasmic C-terminus) of mouse Cav3.1

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

S178A-9

Isotype

IgG1

Specificity

Detects ~

Cite This Product

Mouse Anti-Mouse Cav3.1 Monoclonal, Clone S178A-9 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-405)

Certificate Of Analysis

1 µg/ml of SMC-405 was sufficient for detection of Cav3.1 in 20 µg of rat brain membrane lysate and assayed by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

CACNA1G Antibody, CaV T1 Antibody, Cav3 1 Antibody, cav3 1c Antibody, KIAA1123 Antibody, MGC117234 Antibody, NBR13 Antibody, voltage gated calcium channel cav3.1 Antibody, calcium channel voltage dependent alpha 1G subunit Antibody, calcium channel voltage dependent T type alpha 1G subunit Antibody, calcium channel voltage dependent T type alpha1G subunit Antibody, voltage dependent calcium channel alpha 1G subunit isoform 11 Antibody, voltage dependent T type calcium channel subunit alpha 1G Antibody, Voltage gated calcium channel subunit alpha Cav3 1 Antibody

Research Areas

Calcium Channels, Ion Channels, Neuroscience, Voltage-Gated Calcium Channels

Cellular Localization

Membrane

Accession Number

NP_001106284.1

Gene ID

12291

Swiss Prot

Q9WUT2

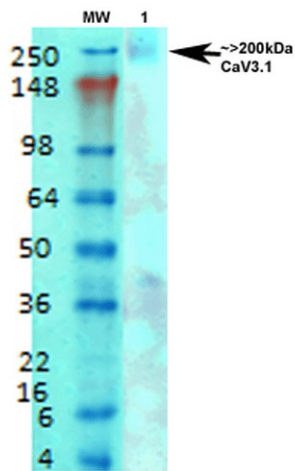
Scientific Background

Calcium channel CaV3.1 (α1G) is a low-voltage-activated T-type calcium channel. Such T-type channels are expressed throughout the body. In the heart, they may be involved in pacemaker current. In neurons, these channels may play a secondary pacemaker role (1). With the ubiquitous expression, it is not surprising that alterations in channel function have been implicated in disease. Drugs that act to block T-type calcium channels are used as anti-hypertensives, antiepileptic's, and blocking of T-type calcium channels may be involved in the action of some anesthetics and antipsychotics as well (1). Much remains to be determined about the precise cellular localization, in vivo physiological roles, roles in disease states and possible routes to modulate their structure/function to ameliorate effects of disease.

References

1. Perez-Reyes E. (2003). *Physiol. Rev.*, 83: 117-161.

Product Images



Western Blot analysis of Rat brain membrane lysate showing detection of Cav3.1 Calcium Channel protein using Mouse Anti-Cav3.1 Calcium Channel Monoclonal Antibody, Clone S178A-9 (SMC-405). Primary Antibody: Mouse Anti-Cav3.1 Calcium Channel Monoclonal Antibody (SMC-405) at 1:1000.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.