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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Cav3.2 Antibody [S55-10]

Mouse Anti-Human Cav3.2 Monoclonal IgG1
Catalog No. SMC-303

StressMarq Biosciences INC.
Discovery through partnership | Excellence through quality

Overview

Product Name

Cav3.2 Antibody

Description

Mouse Anti-Human Cav3.2 Monoclonal IgG1

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

Human

Immunogen

Fusion protein amino acids 1019-1293 (II-III loop) of human Cav3.2

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

-20ºC

Shipping Temperature

Blue Ice or 4ºC

Purification

Protein G Purified

Clonality

Monoclonal

Clone Number

S55-10

Isotype

IgG1

Specificity

Detects ~260kDa. No cross-reactivity against Cav1.3.

Cite This Product

Mouse Anti-Human Cav3.2 Monoclonal, Clone S55-10 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-303)

Certificate Of Analysis

1 µg/ml of SMC-303 was sufficient for detection of Cav3.2 in 10 µg of HEK cell lysate expressing Cav3.2 by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

Cav3.2 Antibody, CACNA1H Antibody, CACNA1HB Antibody, calcium channel Antibody, voltage-dependent Antibody, T type Antibody, alpha 1H subunit Antibody, calcium channel Antibody, voltage-dependent Antibody, T type Antibody, alpha 1Hb subunit Antibody, ECA6 Antibody, EIG6 Antibody, FLJ90484 Antibody, Low-voltage-activated calcium channel alpha1 3.2 subunit Antibody, low-voltage-activated calcium channel alpha13.2 subunit Antibody, voltage dependent t-type calcium channel alpha-1H subunit Antibody, voltage-dependent T-type calcium channel subunit alpha-1H Antibody, voltage-gated calcium channel alpha subunit Cav3.2 Antibody, voltage-gated calcium channel alpha subunit CavT.2 Antibody, Voltage-gated calcium channel subunit alpha Cav3.2 Antibody

Research Areas

Cancer, Calcium Channels, Cell Signaling, Ion Channels, Neuroscience, Voltage-Gated Calcium Channels

Cellular Localization

Membrane

Accession Number

NP_001005407.1

Gene ID

8912

Swiss Prot

O95180

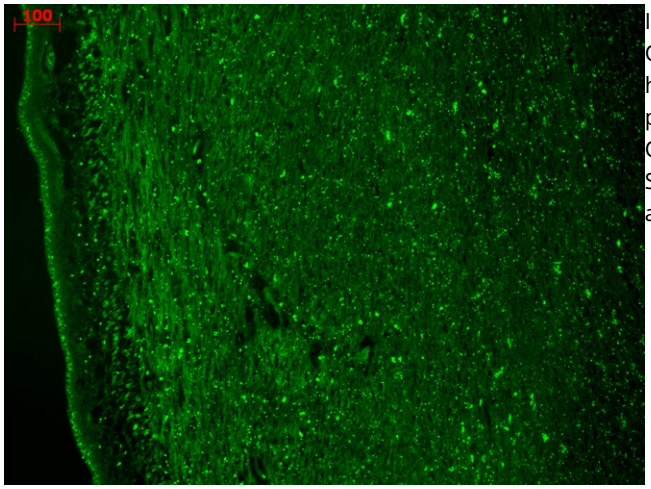
Scientific Background

CaV3.2 is a protein which in humans is encoded by the CACNA1H gene. Studies suggest certain mutations in this gene lead to childhood absence epilepsy (1, 2). Studies also suggest that the up-regulations of CaV3.2 may participate in the progression of prostate cancer toward an androgen-independent stage (3).

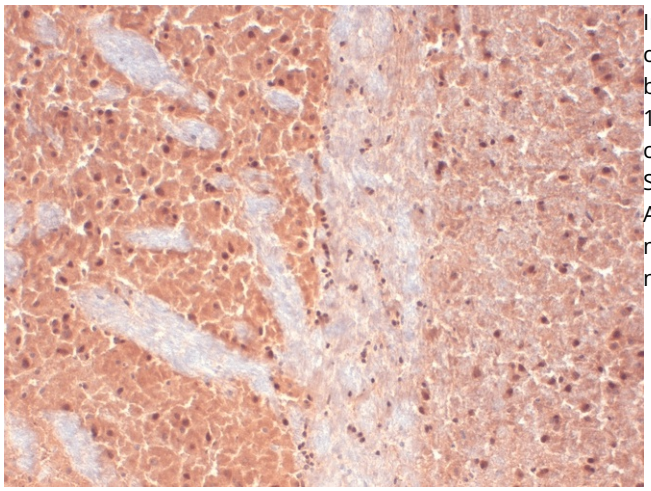
References

1. Chen Y., et al. (2003) Ann. Neurol. 54(2): 23943.
2. Khosravani H., et al. (2004) J Biol Chem. 279(11): 9681-9684.
3. Gackiere F., et al. (2008) J Biol Chem. 283(28): 19872.

Product Images



Immunohistochemistry analysis using Mouse Anti-CaV3.2 Calcium Channel Monoclonal Antibody, Clone S55-10 (SMC-303). Tissue: hippocampus. Species: Human. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-CaV3.2 Calcium Channel Monoclonal Antibody (SMC-303) at 1:1000 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.



Immunohistochemistry analysis using Mouse Anti-CaV3.2 Calcium channel Monoclonal Antibody, Clone S55-10 (SMC-303). Tissue: frozen brain section. Species: human. Fixation: 10% Formalin Solution for 12-24 hours at RT. Primary Antibody: Mouse Anti-CaV3.2 Calcium channel Monoclonal Antibody (SMC-303) 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 µl for 5 minutes 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

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:** Mouse **Applications:** Antibody Microarray

Reviews

There are no reviews yet.