



SZABO SCANDIC

Part of Europa Biosite

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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Anti-NALCN Antibody [S187-7]

Mouse Anti-Rat NALCN Monoclonal IgG1
Catalog No. SMC-417



Discovery through partnership | Excellence through quality

Overview

Product Name

NALCN Antibody

Description

Mouse Anti-Rat NALCN Monoclonal IgG1

Species Reactivity

Human, Mouse, Rat

Applications

WB, ICC/IF

Antibody Dilution

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

Host Species

Mouse

Immunogen Species

Rat

Immunogen

Fusion protein amino acids 1659-1738 (cytoplasmic C-terminus) of rat NALCN

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

S187-7

Isotype

IgG1

Specificity

Detects >~200kDa.

Cite This Product

Mouse Anti-Rat NALCN Monoclonal, Clone S187-7 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-417)

Certificate Of Analysis

1 µg/ml of SMC-417 was sufficient for detection of NALCN in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

VGCNL1 Antibody, Canlon Antibody, Sodium leak channel non-selective protein Antibody, Voltage gated channel-like protein 1 Antibody, A530023G15Rik Antibody, bA430M15.1 Antibody, FLJ23913 Antibody, FLJ44659 Antibody, FLJ44764 Antibody, Four repeat voltage gated ion channel Antibody, MGC74524 Antibody, Putative 4 repeat voltage gated ion channel Antibody, Sodium leak channel non-selective protein Antibody

Research Areas

Calcium Channels, Ion Channels, Neuroscience, Potassium Channels, Sodium Channels, Sodium Leak Channels

Cellular Localization

Membrane

Accession Number

NP_705894.1

Gene ID

266760

Swiss Prot

Q6Q760

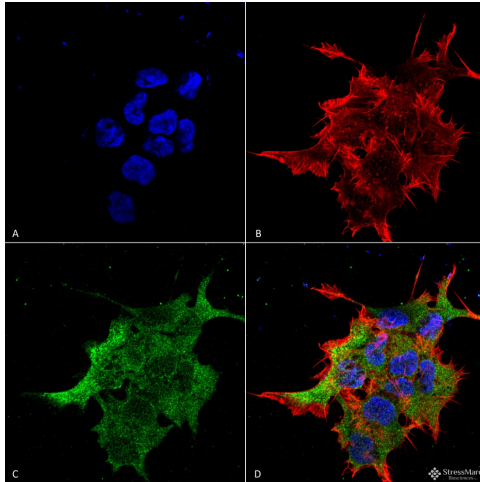
Scientific Background

NALCN (sodium leak channel non-selective protein), also known as Canlon or VGCNL1 (voltage gated channel-like protein 1), is a 1738 amino acid multi-pass membrane protein that belongs to the cation-nonselective channel family. NALCN is highly conserved in mammals and is widely expressed in the central nervous system. Activated by NK-1R, NALCN is a voltage-independent, nonselective cation channel which is permeable to sodium, potassium and calcium ions. NALCN is responsible for background sodium ion leak conductance in neurons and regulates basal excitability of the nervous systems. Defects of NALCN in mice causes disruption in respiratory rhythm and death occurs within 24 hours of birth. Three isoforms of NALCN exist due to alternative splicing events.

References

1. Lee, J.H., Cribbs, L.L. and Perez-Reyes, E. (1999) FEBS Lett. 445: 231-236.
 2. Lu, B., Su, Y., Das, S., Liu, J., Xia, J. and Ren, D. (2007) Cell 129: 371-383.
 3. Jospin, M., et al. (2007) Curr. Biol. 17: 1595-1600.
 4. Gaultier, C. and Gallego, J. (2008) Appl. Physiol. 104: 1522-1530.
 5. Yeh, E., et al. (2008) PLoS Biol. 6: e55.
-

Product Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-NALCN Monoclonal Antibody, Clone S187-7 (SMC-417). Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-NALCN Monoclonal Antibody (SMC-417) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Membrane. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) NALCN Antibody (D) Composite.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.