



# 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

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# Anti-NrCAM Antibody [S364-51]

Mouse Anti-Mouse NrCAM Monoclonal IgG2a  
Catalog No. SMC-462



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

NrCAM Antibody

### Description

Mouse Anti-Mouse NrCAM Monoclonal IgG2a

### 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

Mouse

### Immunogen

Fusion protein amino acids 30-845 (extracellular domain) of mouse NrCAM. Rat: 96% identity (795/822 amino acids identical). Human: 91% identity (753/822 amino acids identical) ~50% identity with Neurofascin.

### 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 pH 7.4, 50% glycerol, 0.1% 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**

Monoclonal

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**Clone Number**

S364-51

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**Isotype**

IgG2a

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**Specificity**

Detects ~160kDa.

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**Cite This Product**

Mouse Anti-Mouse NrCAM Monoclonal, Clone S364-51 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-462)

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**Certificate Of Analysis**

1 µg/ml of SMC-462 was sufficient for detection of NrCAM 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**

Neuronal cell adhesion molecule Antibody, Bravo Antibody, hBravo Antibody, KIAA0343 Antibody, MGC138845 Antibody, MGC138846 Antibody, Neuronal surface protein Bravo Antibody, Ng CAM related Antibody, Ng-CAM-related Antibody, NgCAM related cell adhesion molecule Antibody, NgCAM-related cell adhesion molecule Antibody, Nr CAM Antibody, Nr-CAM Antibody

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**Research Areas**

Cell Structure, Membrane Markers, Neuroscience

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**Cellular Localization**

Cell membrane

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**Accession Number**

NP\_001139503.1

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**Gene ID**

319504

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**Swiss Prot**

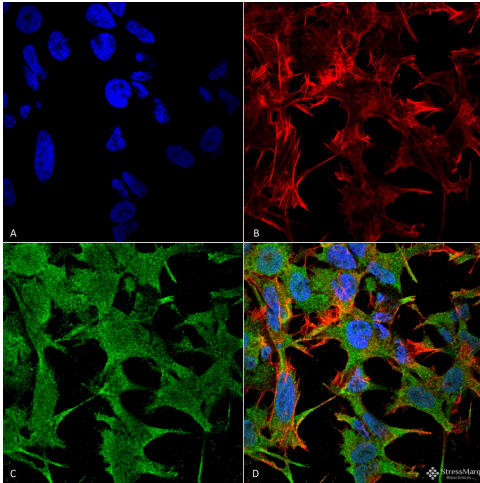
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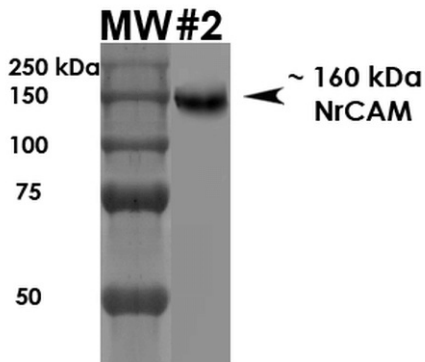
**Scientific Background**

Neuronal cell adhesion molecule (NrCAM) is a cell surface protein of the immunoglobulin (Ig) superfamily. NrCAM (also known as Bravo) contains six Ig domains, five fibronectin repeats, a transmembrane region and an intracellular domain. NrCAM is expressed in brain, spinal cord, peripheral nervous system and pancreas. In the spinal cord, NrCAM acts as a ligand for axonin-1 to guide commissural axons across the floor plate. NrCAM also acts as a ligand for F3 to control actin-dependent growth cone motility. NrCAM interacts with neurofascin and may facilitate the clustering of the cytoskeletal protein ankyrin G and the voltage-dependent sodium channel proteins at the node of Ranvier. NrCAM expression may play a role in the severity of certain types of tumors. NrCAM is overexpressed in high-grade astrocytomas, gliomas and glioblastoma tumor tissues. In the pancreas, NrCAM expression is upregulated in intraductal hyperplasia. Antisense NrCAM reduces the tumorigenic properties of human glioblastoma cells in vitro and slowed tumor growth in vivo. The gene encoding human NrCAM maps to

## Product Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-NrCAM Monoclonal Antibody, Clone S364-51 (SMC-462). Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-NrCAM Monoclonal Antibody (SMC-462) 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: Cell Membrane. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) NRCAM Antibody (D) Composite.



Western Blot analysis of Rat Brain Membrane showing detection of ~160 kDa NrCam protein using Mouse Anti-NrCam Monoclonal Antibody, Clone S364-51 (SMC-462). Load: 10  $\mu$ g. Primary Antibody: Mouse Anti-NrCam Monoclonal Antibody (SMC-462) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Mouse HRP at 1:200 for 1 hour at RT. Predicted/Observed Size: ~160 kDa.

## Product Citations (0)

Currently there are no citations for this product.

## Reviews

There are no reviews yet.