

Product datasheet

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ARG23976 anti-NrCAM antibody [S364-51]

Package: 50 μg Store at: -20°C

Summary

Product Description Mouse Monoclonal antibody [S364-51] recognizes NrCAM

Tested Reactivity Ms, Rat
Tested Application WB

Host Mouse

Clonality Monoclonal
Clone S364-51
Isotype IgG2a

Target Name NrCAM
Species Mouse

Immunogen Fusion protein corresponding to aa. 30-845 (extracellular domain) of Mouse NrCAM.

Conjugation Un-conjugated

Alternate Names Nr-CAM; Ng-CAM-related; hBravo; Neuronal surface protein Bravo; Neuronal cell adhesion molecule;

NgCAM-related cell adhesion molecule

Application Instructions

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 145 kDa	

Properties

Form Liquid

Purification Purification with Protein G.

Buffer PBS (pH 7.4), 0.1% Sodium azide and 50% Glycerol.

Preservative 0.1% Sodium azide

Stabilizer 50% Glycerol

Concentration 1 mg/ml

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol NRCAM

Gene Full Name neuronal cell adhesion molecule

Background Cell adhesion molecules (CAMs) are members of the immunoglobulin superfamily. This gene encodes a

neuronal cell adhesion molecule with multiple immunoglobulin-like C2-type domains and fibronectin type-III domains. This ankyrin-binding protein is involved in neuron-neuron adhesion and promotes directional signaling during axonal cone growth. This gene is also expressed in non-neural tissues and may play a general role in cell-cell communication via signaling from its intracellular domain to the actin cytoskeleton during directional cell migration. Allelic variants of this gene have been associated with autism and addiction vulnerability. Alternative splicing results in multiple transcript variants encoding

different isoforms. [provided by RefSeq, Jul 2008]

Function Cell adhesion, ankyrin-binding protein involved in neuron-neuron adhesion. May play a role in the

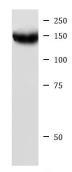
molecular assembly of the nodes of Ranvier (By similarity). [UniProt]

Calculated Mw 144 kDa

Cell membrane; Single-pass type I membrane protein. Cell projection, axon. Secreted. Note=Detected

at nodes of Ranvier. [UniProt]

Images



Rat brain membrane

ARG23976 anti-NrCAM antibody [S364-51] WB image

Western blot: 10 μg of Rat brain membrane lysate stained with ARG23976 anti-NrCAM antibody [S364-51] at 1:1000 dilution, for 1 hour at RT.