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Datasheet for 200-365-W74

NrCAM Antibody PerCP

Overview

Description:	Anti-NrCAM (MOUSE) Monoclonal Antibody PerCP Conjugated - 200-365-W74
Item No.:	200-365-W74
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Mouse

Product Details

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 cystoskeletal 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. Anti-NrCam is ideal for research in Cancer and Neuroscience. 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 chromosome 7q31.1-q31.2.
Synonyms:	Neuronal cell adhesion molecule, Bravo, hBravo, KIAA0343, MGC138845, MGC138846, Neuronal surface protein Bravo, Ng CAM related, Ng-CAM-related, NgCAM related cell adhesion molecule, NgCAM-related cell adhesion molecule, Nr CAM, Nr-CAM
Host Species:	Mouse
Conjugate:	PerCP
Clonality:	Monoclonal
Clone ID:	S364-51
Format:	IgG2a

Target Details

Gene Name:	Nrcam
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Recombinant Protein
Immunogen:	Anti-NrCAM Antibody was produced by repeated immunization of mice with a fusion protein containing amino acids 30-845 of mouse NrCAM.
Purity/Specificity:	Anti-NrCAM Antibody was purified from concentrated tissue culture supernate by Protein G chromatography. BLAST analysis suggests that it is 96% identical to rat, 91% identical to human and ~50% identical to Neurofascin.
Relevant Links:	• UniProtKB - Q810U4 • GeneID - 319504 • NCBI - NP_001139503

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-NrCAM PerCP Conjugated Antibody is suitable for Western Blots and Immunocytochemistry. Expect a band approximately ~160kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
WB:	1:1000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1mg/mL by UV absorbance at 280 nm

Shipping & Handling

Shipping Condition:	Wet Ice

Storage Condition:	Conjugated antibodies should be stored according to the product label. Product stored in 95.64mM Phosphate, 2.48mM MES and 2mM EDTA.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.