

Mouse Neuronal Cell Adhesion Molecule (NRCAM) Monoclonal Antibody | anti-NRCAM antibody

Neuronal Cell Adhesion Molecule (NRCAM) Monoclonal Antibody

CATALOG # AAA47883	HOST Mouse	APPLICATIONS Immunofluorescence, Immunoblot, Western Blot
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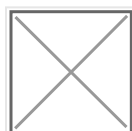
PRODUCT SYNONYMS

Neuronal Cell Adhesion Molecule (NRCAM); Monoclonal Antibody; Neuronal Cell Adhesion Molecule (NRCAM) Monoclonal Antibody; anti-NRCAM antibody

PRODUCT SPECIFICATIONS

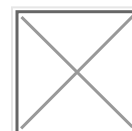
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Specificity	This antibody recognizes human, mouse, and rat NRCAM.
Form/Format	100ug (1mg/ml) Protein G-purified antibody in PBS, pH 7.4, 0.1% sodium azide, 50% glycerol.
Sequence Length	1186
Applicable Applications for anti-NRCAM antibody	IF (Immunofluorescence), IB (Immunoblot)
Immunogen	Fusion protein corresponding to aa 30-845 (extracellular domain) of mouse NRCAM. This sequence is 96% identical in rat, 91% identical in human, and ~50% identical in Neurofascin.
Preparation and Storage	This product is stable for at least one (1) year at -20 degree C.

IMAGES



Application Data

Detection of NRCAM in neuroblastoma cell line SK-N-BE at 10ug/ml: DAPI (blue) nuclear stain, Texas Red F actin stain, ATTO 488 (green) NRCAM stain.



Application Data

Detection of NRCAM in rat brain lysate at 1ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-NRCAM antibody	The NRCAM 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	225637535
NCBI GeneID	319504

NCBI Accession #	NP_001139503.1
NCBI GenBank Nucleotide #	NM_001146031.1
UniProt Accession #	Q810U4; Q80U33; Q8BLG8; Q8BX92; Q8BYJ8
Molecular Weight	131,274 Da
NCBI Official Full Name	neuronal cell adhesion molecule isoform 2
NCBI Official Synonym Full Names	neuronal cell adhesion molecule
NCBI Official Symbol	Nrcam
NCBI Official Synonym Symbols	Bravo; mKIAA0343; C030017F07Rik; C130076O07Rik
NCBI Protein Information	neuronal cell adhesion molecule
UniProt Protein Name	Neuronal cell adhesion molecule
UniProt Gene Name	Nrcam
UniProt Synonym Gene Names	Kiaa0343; Nr-CAM; mBravo; Ng-CAM-related

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/neuronal-cell-adhesion-molecule-nrcam-antibody-immunofluorescence-immunoblot-elisa/47883>