

NRCAM monoclonal antibody, clone RNL-1

Catalog # MAB3561

Size

Specification

Product Description	Mouse monoclonal antibody raised against native NRCAM.
Immunogen	Native purified NRCAM from NCI-H82 cell.
Host	Mouse
Reactivity	Human
Specificity	This antibody reacts with extracellular domain of the NRCAM.
Form	Liquid
Isotype	IgG1
Recommend Usage	Immunohistochemistry (1:10-1:25) The optimal working dilution should be determined by the end user.
Storage Buffer	In cell culture supernatant (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Frozen sections)

Gene Info — NRCAM

Entrez GeneID	4897
Protein Accession#	P13591

Gene Name	NRCAM
Gene Alias	KIAA0343, MGC138845, MGC138846
Gene Description	neuronal cell adhesion molecule
Omim ID	601581
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	NgCAM-related cell adhesion molecule NrCAM- bravo

Publication Reference

- [Biodistribution of a monoclonal antibody \(RNL-1\) against the neural cell adhesion molecule \(NCAM\) in athymic mice bearing human small-cell lung-cancer xenografts.](#)

Boerman OC, Mijnheere EP, Broers JL, Vooijs GP, Ramaekers FC.

International Journal of Cancer 1991 May; 48(3):457.

Application: Flow Cyt, IEM, IF, Human, Blood cells, NCI-H82 cells

- [Novel antigens characteristic of neuroendocrine malignancies.](#)

Broers JL, Mijnheere EP, Rot MK, Schaart G, Sijlmans A, Boerman OC, Ramaekers FC.

Cancer 1991 Feb; 67(3):619.

Application: ICC, IEM, IF, IHC-Fr, WB-Ce, Human, HeLa cells, Human lung carcinoma cell lines, Human lung carcinoma, Human tissues, Human tumor tissues, LCLC-103H cells, NCI-H69, NCI-H82 cells

Pathway

- [Cell adhesion molecules \(CAMs\)](#)

Disease

- [Asperger Syndrome](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Learning](#)
- [Learning Disorders](#)
- [Mental Disorders](#)
- [NARP](#)
- [Obsessive-Compulsive Disorder](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)
- [Social Perception](#)
- [Tobacco Use Disorder](#)