Anti-NRCAM antibody

Description	Unconjugated Rabbit polyclonal to NRCAM

Model	STJ192457
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human NRCAM protein.
Immunogen Region	1050-1130aa
Gene ID	4897
Gene Symbol	NRCAM
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	NRCAM Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Detected in all the examined tissues. In the brain it was detected in the amygdala, caudate nucleus, corpus callosum, hippocampus, hypothalamus, substantia nigra, subthalamic nucleus and thalamus.
Purification	NRCAM antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Neuronal cell adhesion molecule Nr-CAM Neuronal surface protein Bravo hBravo NgCAM-related cell adhesion molecule Ng-CAM-related
Molecular Weight	143 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:7994OMIM:601581
Alternative Names	Neuronal cell adhesion molecule Nr-CAM Neuronal surface protein Bravo hBravo NgCAM-related cell adhesion molecule Ng-CAM-related
Function	Cell adhesion protein that is required for normal responses to cell-cell contacts in brain and in the peripheral nervous system. Plays a role in neurite outgrowth in response to contactin binding. Plays a role in mediating cell-cell contacts between Schwann cells and axons. Plays a role in the formation and maintenance of the nodes of Ranvier on myelinated axons. Nodes of Ranvier contain clustered sodium channels that are crucial for the saltatory propagation of action potentials along myelinated axons. During development, nodes of Ranvier are formed by the fusion of two heminodes. Required for normal clustering of sodium channels at heminodes; not required for the formation of mature nodes with normal sodium channel clusters. Required, together with GLDN, for maintaining NFASC and sodium channel clusters at mature nodes of Ranvier.
Cellular Localization	Cell membrane Cell projection, axon Secreted. Detected at nodes of Ranvier.