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Rabbit Anti-NCAM2 antibody

SL11094R

Product Name:	NCAM2
Chinese Name:	神经Cell adhesion molecule2抗体
Alias:	N CAM 2; N CAM 21; N CAM2; N CAM21; N-CAM-2; NCAM 2; NCAM 21; NCAM-2; Ncam2; NCAM2_HUMAN; NCAM21; Neural cell adhesion molecule 2; OCAM GPI; R4B12; RB 8 neural cell adhesion molecule; RB8 neural cell adhesion molecule; RNCAM.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Rabbit,
Applications:	ELISA=1:500-1000Flow-Cyt=3ug/test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	91kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NCAM2:51-150/837<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	NCAM2 is an 837 amino acid protein encoded by the human gene NCAM2. NCAM2 contains five immunoglobulin-like domains, two Fibronectin type III domains, a transmembrane domain and a cytoplasmic domain. The gene is expressed most strongly in human adult and fetal brain. NCAM2 is a member of the neural cell adhesion

	molecule (NCAM) family. NCAMs are closely related cell surface glycoproteins involved in cell to cell interactions during growth and are thought to play an important role in embryogenesis and development. NCAM2 is a considered a good candidate for involvement in certain Down syndrome phenotypes because a slight overexpression of NCAMs increases many-fold the homotypic adhesion properties of cells. Stat5 regulates NCAM2 in vivo by binding to the NCAM2 intron in the NKL natural killer cell line; this binding is induced by cytokines that activate Stat5. Neither Stat1 nor Stat3 bind to this region, despite sharing a consensus binding sequence with Stat5. **Function:** May play important roles in selective fasciculation and zone-to-zone projection of the primary olfactory axons. **Subunit:** Contains 2 fibronectin type-III domains. Contains 5 Ig-like C2-type (immunoglobulin-like) domains. **Subcellular Location:** Cell membrane. **Tissue Specificity:** Expressed most strongly in adult and fetal brain. **Similarity:** Contains 2 fibronectin type-III domains. Contains 5 Ig-like C2-type (immunoglobulin-like) domains. **SWISS:** O15394 **Gene ID:** 4685 **Database links:** Entrez Gene: 4685Human Entrez Gene: 17968Mouse Entrez Gene: 288280Rat Omim: 602040Human SwissProt: O15394Human SwissProt: O35136Mouse

	Unigene: 473450Human Unigene: 433941Mouse Unigene: 138756Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Blank control: Hela. Primary Antibody (green line): Rabbit Anti-NCAM2 antibody (SL11094R) Dilution: 1μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 3μg /test. Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.  Blank control: Hela. Primary Antibody (green line): Rabbit Anti-NCAM2 antibody (SL11094R)

	Dilution: 1μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 3μg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at-20℃. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.