NCAM1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NCAM (NCAM1), Polyclonal Antibody
Full Product Name	Anti-NCAM Antibody, Rabbit Polyclonal
Product Gene Name	anti-NCAM1 antibody
Product Synonym Names	NCAM1/CD56 Antibody, Rabbit PAb; neural cell adhesion molecule 1; Anti-CD56 Antibody; Anti-MSK39 Antibody; Anti-NCAM Antibody
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; 0.2um filtered solution in PBS
Purity/Purification	Protein A
Specificity	Human NCAM1/CD56
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Molecular Weight	Molecular Mass: 66.1 kDa Actual Protein Molecular Mass: 66.1 kDa
OMIM	116930
3D Structure	ModBase 3D Structure for P13591
Immunogen	Recombinant Human NCAM1/CD56 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human NCAM1/CD56 (rh NCAM1). Total IgG was purified by Protein A affinity chromatography.
Applications Tested/Suitable for anti-NCAM1 antibody	ELISA (EIA)
Application Notes for anti-NCAM1 antibody	ELISA: 1:1000-1:2000
Related Product Information for anti-NCAM1 antibody	NCAM1 (Neural Cell Adhesion Molecule 1, also known as CD56) is a Protein Coding gene. 3 alternatively spliced human isoforms have been reported. NCAM1 is a neural adhesion protein (NCAM) that belongs to the immunoglobulin superfamily. The encoded protein is involved in cell-to-cell interactions as well as cell-matrix interactions during development and differentiation. NCAM1 is involved in neuron-neuron adhesion, neurite fasciculation, the outgrowth of neurites, etc. It has also been shown to be involved in the expansion of T cells and dendritic cells which play an important role in immune surveillance. Diseases associated with NCAM1 include Rabies and Bile Duct Cancer. Among its related pathways are Neuroscience and RET signaling.
Product References and Citations for anti-NCAM1 antibody	Reyes AA. et al., 1991, Mol Cell Biol. 11 (3): 1654-61. Suzuki M. et al., 2003, J Biol Chem. 278 (49): 49459-68. Becker C G. et al., 1996, J Neurosci Res. 45 (2): 143-52.

Other Notes	Small volumes of anti-NCAM1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NCAM1 purchase	MBS8103484 is an antibody targeting NCAM1. Also known as Anti-NCAM Antibody, Rabbit Polyclonal. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NCAM1. It may not necessarily be applicable to this product.

NCBI GI #	115529478
NCBI GeneID	4684
NCBI Accession #	NP_001070150.1
UniProt Primary Accession #	P13591
UniProt Secondary Accession #	P13592; P13593; Q05C58; Q15829; Q16180; Q16209; Q59FL7; Q86X47; Q96CJ3; A8K8T8
UniProt Related Accession #	P13591
GenBank Nucleotide #	NM_001076682.3
NCBI Official Full Name	neural cell adhesion molecule 1 isoform 3
NCBI Official Synonym Full Names	neural cell adhesion molecule 1
NCBI Official Symbol	NCAM1
NCBI Official Synonym Symbols	CD56; NCAM; MSK39
UniProt Protein Name	Neural cell adhesion molecule 1
UniProt Synonym Protein Names	CD_antigen: CD56
Protein Family	Neural cell adhesion molecule
UniProt Gene Name	NCAM1
UniProt Synonym Gene Names	NCAM; N-CAM-1; NCAM-1
UniProt Entry Name	NCAM1_HUMAN
NCBI Protein Information	neural cell adhesion molecule 1
NCBI Summary for NCAM1	This gene encodes a cell adhesion protein which is a member of the immunoglobulin superfamily. The encoded protein is involved in cell-to-cell interactions as well as cell-matrix interactions during development and differentiation. The encoded protein has been shown to be involved in development of the nervous system, and for cells involved in the expansion of T cells and dendritic cells which play an important role in immune surveillance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2011]
UniProt Comments for NCAM1	NCAM1: This protein is a cell adhesion molecule involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, etc. 6 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, GPI anchor; Membrane protein, integral; Cell adhesion; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 11q23.1 Cellular Component: Golgi membrane; cell surface; membrane; integral to membrane; plasma membrane; external side of plasma membrane Molecular Function: identical protein binding Biological Process: axon guidance; extracellular matrix organization and biogenesis; cytokine and chemokine mediated signaling pathway; cell adhesion

Research Articles on NCAM1	**1.** CD56 immunohistochemistry can be useful in differentiating follicular variant papillary thyroid carcinoma from follicular adenoma.
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