

NCAM1

Reactivity:Human Mouse Rat

Tested applications:WB IHC FC

Recommended Dilution:WB 1:500 - 1:1000 IHC 1:50 - 1:100 FC 1:20 - 1:100

Calculated MW:95kD

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human NCAM1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

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Synonym:

CD56;MSK39;NCAM;

Catalog #:A0393

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:4684

Isotype:IgG

Swiss Prot:P13591

Purity:Affinity purification

For research use only.

Background:

Neural cell adhesion molecule 1 (NCAM1, also known as CD56) is a cell adhesion glycoprotein of the immunoglobulin (Ig) superfamily. It is a multifunction protein involved in synaptic plasticity, neurodevelopment, and neurogenesis. NCAM1 is expressed on human neurones, glial cells, skeletal muscle cells, NK cells and a subset of T cells, and the expression is observed in a wide variety human tumors, including myeloma, myeloid leukemia, neuroendocrine tumors, Wilms' tumor, neuroblastoma, and NK/T cell lymphomas. Three major isoforms of NCAM1, with molecular masses of 120, 140, and 180 kDa, are generated by alternative splicing of mRNA (PMID: 9696812). The glycosylphosphatidylinositol (GPI)-anchored NCAM120 and the transmembrane NCAM140 and NCAM180 consist of five Ig-like domains and two fibronectin-type III repeats (FNIII). All three forms can be posttranslationally modied by addition of polysialic acid (PSA) (PMID: 14976519). Several other isofroms have also been described.

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