

anti- NCAM1/CD56 antibody

Product Information

Catalog No.:	FNab05575
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	0D10
IsoType:	IgG2a
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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 modified by addition of polysialic acid(PSA) (PMID: 14976519). Several other isoforms have also been described (PMID: 1856291).

Immunogen information

Immunogen:	neural cell adhesion molecule 1
Synonyms:	CD56, MSK39, N CAM 1, NCAM, NCAM 1, NCAM1
Observed MW:	140 kDa
UniprotID :	P13591

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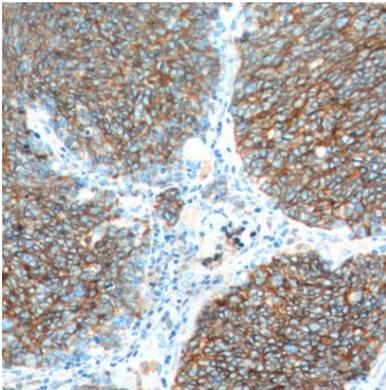
Application

Reactivity: Human, Mouse

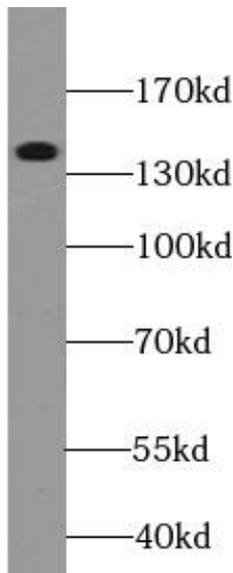
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:1000-1:10000; IHC: 1:200-1:1000

Image:



Immunohistochemistry of paraffin-embedded human small cell lung carcinoma tissue slide using FNab05575(NCAM1 Antibody) at dilution of 1:800 Heat mediated antigen retrieved with Tris-EDTA buffer(pH9).



fetal human brain tissue were subjected to SDS PAGE followed by western blot with FNab05575(NCAM1 Antibody) at dilution of 1:4000

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