10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NCAM1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5412

Product Information

Application	FC, IHC-P, WB
Primary Accession	P13591
Other Accession	P13596, P13595, P13590, P31836
Reactivity	Human, Rat
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	94574
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	4684
Antigen Region	796-830
Other Names	Neural cell adhesion molecule 1, N-CAM-1, NCAM-1, CD56, NCAM1, NCAM
Dilution	FC~~1:25 IHC-P~~1:100~500 WB~~1:1000
Target/Specificity	This NCAM1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 796-830 amino acids from the C-terminal region of human NCAM1.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NCAM1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NCAM1 (HGNC:7656)
Synonyms	NCAM

Function	This protein is a cell adhesion molecule involved in neuron- neuron adhesion, neurite fasciculation, outgrowth of neurites, etc. (Microbial infection) Acts as a receptor for Zika virus.
Cellular Location	[Isoform 1]: Cell membrane; Single-pass type I membrane protein [Isoform 3]: Cell membrane; Lipid-anchor, GPI- anchor [Isoform 5]: Secreted.

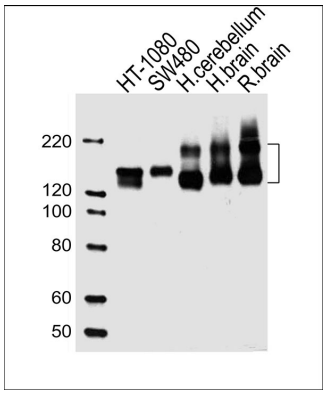
Background

This protein is a cell adhesion molecule involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, etc.

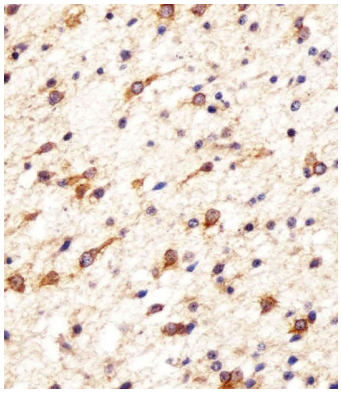
References

Barton C.H.,et al.Development 104:165-173(1988).
Lanier L.L.,et al.J. Immunol. 146:4421-4426(1991).
Saito S.,et al.Lung Cancer 10:307-318(1994).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.

Images

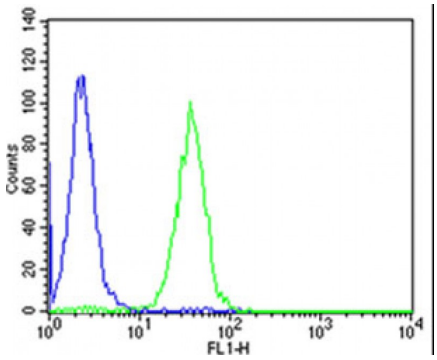


All lanes : Anti-NCAM1 Antibody (C-term) at 1:1000 dilution Lane 1: HT-1080 whole cell lysates Lane 2: SW480 whole cell lysates Lane 3: human cerebellum lysates Lane 4: human brain lysates Lane 5: rat brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 95 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemical analysis of paraffin-embedded H. astroglioma section using NCAM1 Antibody (C-term)(Cat#AW5412). AW5412 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

Flow cytometric analysis of SH-SY5Y cells using NCAM1 Antibody (C-term)(green, Cat#AW5412) compared to an isotype control of rabbit IgG(blue). AW5412 was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.