

For Research Use Only

NCAM2 Polyclonal antibody, PBS Only

Catalog Number: 13850-1-PBS

Featured Product



Basic Information

Catalog Number:

13850-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4821

GenBank Accession Number:

BC052946

GeneID (NCBI):

4685

UNIPROT ID:

O15394

Full Name:

neural cell adhesion molecule 2

Calculated MW:

93 kDa

Observed MW:

100-125 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

The mammalian NCAM family has two members, NCAM1 and NCAM2 (PMID: 9729879; 20439718). Neural cell adhesion molecule 2 (NCAM2, also known as NCAM21) is a single-pass type I membrane protein that is highly expressed in the brain, which may play important roles in selective fasciculation and zone-to-zone projection of the primary olfactory axons or in neurodegenerative diseases such as Alzheimer's disease (PMID: 26611261). NCAM2 has two isoforms: NCAM2.1 bearing transmembrane and cytoplasmic domains and the shorter NCAM2.2 isoform, which is GPI-anchored (PMID: 9334170; 9221781). The molecular weight of NCAM2 is around 125 kDa and 93 kDa (PMID: 9334170; 3171685).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

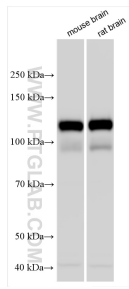
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

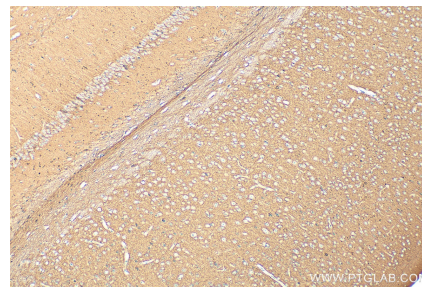
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

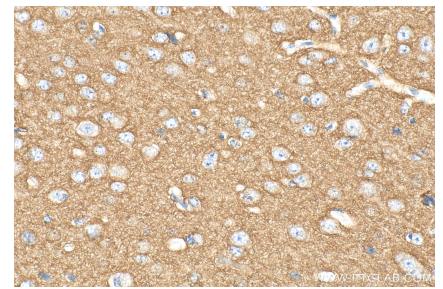
Selected Validation Data



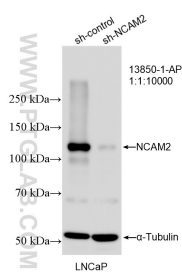
Various lysates were subjected to SDS PAGE followed by western blot with 13850-1-AP (NCAM2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 13850-1-PBS in a different storage buffer formulation.



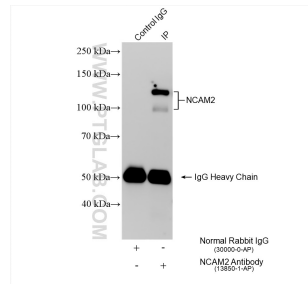
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13850-1-AP (NCAM2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13850-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13850-1-AP (NCAM2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13850-1-PBS in a different storage buffer formulation.



WB result of NCAM2 antibody (13850-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NCAM2 transfected LNCaP cells. This data was developed using the same antibody clone with 13850-1-PBS in a different storage buffer formulation.



IP result of anti-NCAM2 (IP:13850-1-AP, 4ug; Detection:13850-1-AP 1:5000) with mouse brain tissue lysate 2100 ug. This data was developed using the same antibody clone with 13850-1-PBS in a different storage buffer formulation.