

For Research Use Only

NCAM2 Recombinant antibody

Catalog Number: 83494-6-RR



Basic Information

Catalog Number: 83494-6-RR	GenBank Accession Number: BC052946	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 4685	CloneNo.: 240398D9
Source: Rabbit	UNIPROT ID: O15394	Recommended Dilutions: WB 1:1000-1:6000 IF-P 1:250-1:1000
Isotype: IgG	Full Name: neural cell adhesion molecule 2	
Immunogen Catalog Number: AG4821	Calculated MW: 93 kDa	
	Observed MW: 125 kDa	

Applications

Tested Applications: WB, IF-P, ELISA	Positive Controls: WB : LNCaP cells, mouse brain tissue
Species Specificity: human, mouse	IF-P : mouse brain tissue,

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

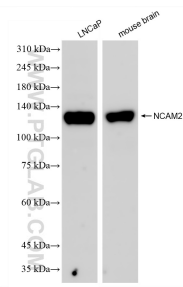
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

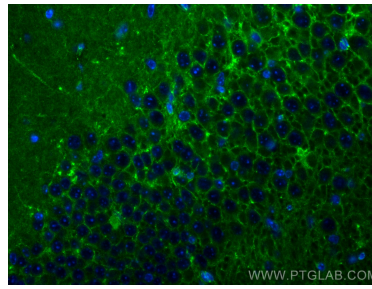
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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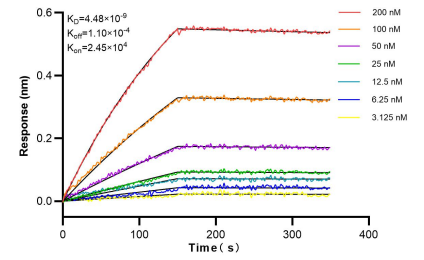
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83494-6-RR (NCAM2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using NCAM2 antibody (83494-6-RR, Clone: 240398D9) at dilution of 1:500 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 83494-6-RR against Human NCAM2 were performed. The affinity constant is 4.48 nM.