

For Research Use Only

# NCAM2 Recombinant antibody, PBS Only

Catalog Number: 83494-6-PBS



## Basic Information

<b>Catalog Number:</b> 83494-6-PBS	<b>GenBank Accession Number:</b> BC052946	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4685	<b>CloneNo.:</b> 240398D9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O15394	
<b>Isotype:</b> IgG	<b>Full Name:</b> neural cell adhesion molecule 2	
<b>Immunogen Catalog Number:</b> AG4821	<b>Calculated MW:</b> 93 kDa	
	<b>Observed MW:</b> 125 kDa	

## Applications

**Tested Applications:**  
WB, IF-P, ELISA

**Species Specificity:**  
human, mouse

## 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

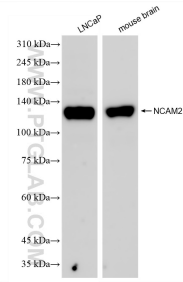
For technical support and original validation data for this product please contact:

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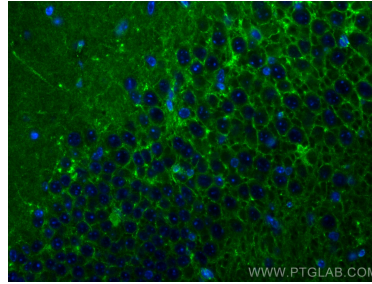
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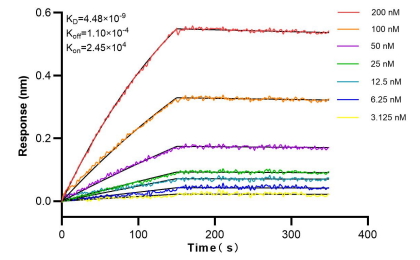
## Selected Validation Data



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. This data was developed using the same antibody clone with 83494-6-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83494-6-PBS in a different storage buffer formulation.



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