

For Research Use Only

NRCAM Recombinant antibody

Catalog Number: 84690-1-RR



Basic Information

Catalog Number: 84690-1-RR	GenBank Accession Number: BC098401	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 4897	CloneNo.: 241862G1
Source: Rabbit	UNIPROT ID: Q92823	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: neuronal cell adhesion molecule	
Immunogen Catalog Number: AG16237	Calculated MW: 1304 aa, 144 kDa	
	Observed MW: 144 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : SH-SY5Y cells, mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	

Background Information

Neuronal cell adhesion molecule (NRCAM) is a member of the L1 subfamily of cell adhesion molecules (CAMs) that belong to the immunoglobulin superfamily (PMID: 11329126). NRCAM is a transmembrane protein composed of six Ig-like domains and five fibronectin type-III repeats in the extracellular region, with a highly conserved cytoplasmic tail. It is mainly expressed in the nervous system and is involved in neuron-neuron adhesion and promotes directional signaling during axonal cone growth. NRCAM is also expressed outside the nervous system. Altered expression of NRCAM has been associated with tumor progression in diverse organs (PMID: 22182708).

Storage

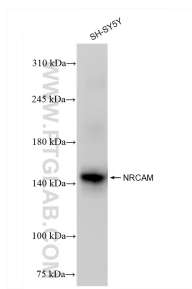
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

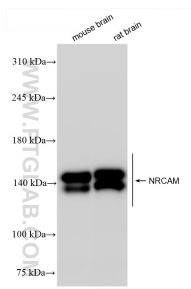
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

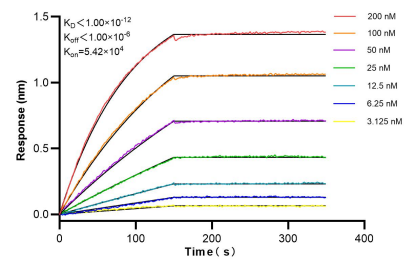
Selected Validation Data



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 84690-1-RR (NRCAM antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 84690-1-RR (NRCAM antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84690-1-RR against Human NRCAM were performed. The affinity constant is below 1 pM.