

For Research Use Only

NRCAM Monoclonal antibody

Catalog Number: 68291-1-Ig



Basic Information

Catalog Number: 68291-1-Ig	GenBank Accession Number: BC098401	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 4897	CloneNo.: 2E1C3
Source: Mouse	UNIPROT ID: Q92823	Recommended Dilutions: WB 1:5000-1:50000 IF 1:200-1:800
Isotype: IgG2b	Full Name: neuronal cell adhesion molecule	
Immunogen Catalog Number: AG20558	Calculated MW: 1304 aa, 144 kDa	
	Observed MW: 130-140 kDa	

Applications

Tested Applications:

IF-P, WB, ELISA

Species Specificity:

Human, Mouse, Rat, Pig

Positive Controls:

WB : rat brain tissue, pig brain tissue, rat cerebellum tissue, mouse brain tissue, pig cerebellum tissue

IF : mouse brain tissue,

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

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

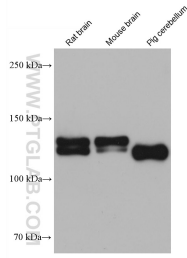
T: 4006900926

E: Proteintech-CN@ptglab.com

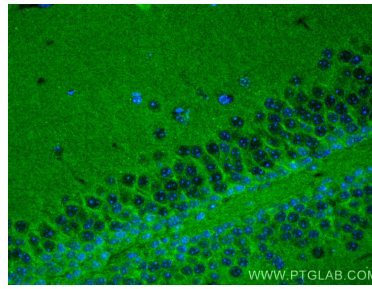
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68291-1-Ig (NRCAM antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using NRCAM antibody (68291-1-Ig, Clone: 2E1C3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).