

NRCAM Polyclonal antibody

Catalog Number: 21608-1-AP

Featured Product

5 Publications

Basic Information

Catalog Number: 21608-1-AP	GenBank Accession Number: BC098401	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4897	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 IF 1:50-1:500
Source: Rabbit	Full Name: neuronal cell adhesion molecule	
Isotype: IgG	Calculated MW: 1304 aa, 144 kDa	
Immunogen Catalog Number: AG16237	Observed MW: 130-136 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB : mouse brain tissue, human brain tissue, HEK-293 cells, rat brain tissue
Species Specificity: human, mouse, rat	IHC : human brain tissue,
Cited Species: human, mouse	IF : HEK-293 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Zhen-Huang Chen	32918999	Mol Cell Neurosci	IHC
Michela Lupia	29551673	Stem Cell Reports	IF
Hongwei Jin	34150622	Front Oncol	WB

Storage

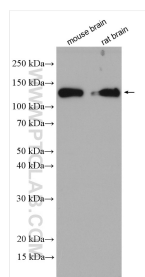
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

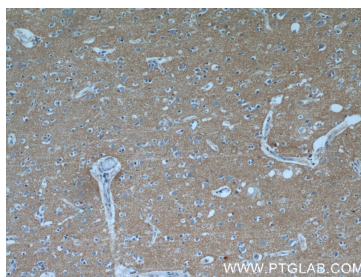
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

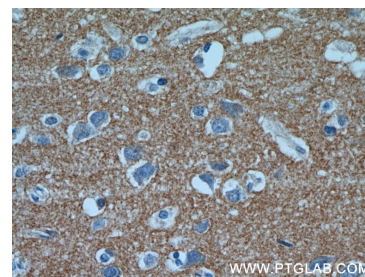
Selected Validation Data



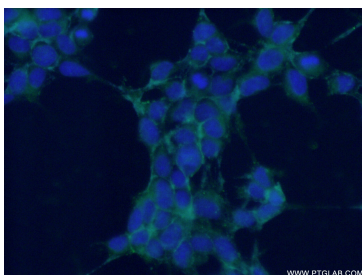
Various lysates were subjected to SDS PAGE followed by western blot with 21608-1-AP (NRCAM antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 21608-1-AP (NRCAM antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 21608-1-AP (NRCAM antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 21608-1-AP (NRCAM antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).