

For Research Use Only

NCDN Recombinant antibody, PBS Only

Catalog Number: 85730-1-PBS



Basic Information

Catalog Number: 85730-1-PBS	GenBank Accession Number: BC024592	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 23154	CloneNo.: 243146E2
Source: Rabbit	UNIPROT ID: Q9UBB6	
Isotype: IgG	Full Name: neurochondrin	
Immunogen Catalog Number: AG3859	Calculated MW: 729 aa, 79 kDa	
	Observed MW: 75-79 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

NCDN protein (Neurochondrin) is a highly conserved 79 kDa adaptor protein, which was first discovered in 1997 and mainly expressed in the nervous system. NCDN protein plays an important role in neuronal differentiation, formation and maintenance of dendritic spines. It is involved in the development of synapses, neuronal differentiation and signal transduction, and maintains cell polarity by regulating dendritic morphogenesis and neural signal pathway. Recent studies have found that NCDN protein is expressed not only in neurons, but also in myeloid cells (such as neutrophils), and plays a role as a negative regulator of innate immunity. Mice lacking NCDN in myeloid cells are more immune to bacterial infection because of the increased reactivity of neutrophils (PMID: 37503670). The molecular weight of NCDN is 78 kDa.

Storage

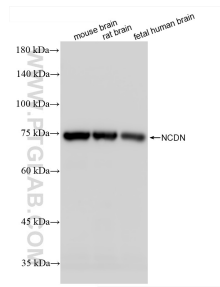
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85730-1-RR (NCDN antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85730-1-PBS in a different storage buffer formulation.