

For Research Use Only

# NCDN Recombinant antibody

Catalog Number: 85730-1-RR



## Basic Information

Catalog Number:

85730-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3859

GenBank Accession Number:

BC024592

GeneID (NCBI):

23154

UNIPROT ID:

Q9UBB6

Full Name:

neurochondrin

Calculated MW:

729 aa, 79 kDa

Observed MW:

75-79 kDa

Purification Method:

Protein A purification

CloneNo.:

243146E2

Recommended Dilutions:

WB: 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, rat brain tissue, fetal human brain tissue

## 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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

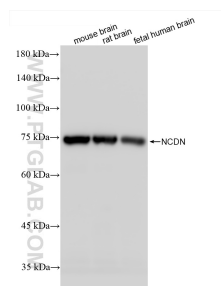
T: 4006900926

E: Proteintech-CN@ptglab.com

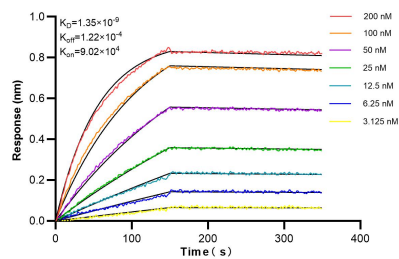
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85730-1-RR (NCDN antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85730-1-RR against Human NCDN were performed. The affinity constant is 1.35 nM.