

For Research Use Only

# CNTN1 Monoclonal antibody

Catalog Number: 68252-1-Ig



## Basic Information

Catalog Number:

68252-1-Ig

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG5030

GenBank Accession Number:

BC036569

GeneID (NCBI):

1272

UNIPROT ID:

Q12860

Full Name:

contactin 1

Calculated MW:

1018 aa, 113 kDa

Observed MW:

130-135 kDa

Purification Method:

Protein G purification

CloneNo.:

1C1D4

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, pig, rabbit

Positive Controls:

WB : A549 cells, pig cerebellum tissue, pig brain tissue, rabbit brain tissue, rabbit cerebellum tissue

## Background Information

Contactin-1 (CNTN1), also known as Glycoprotein gp135 or Neural cell surface protein F3, is a neuronal cell adhesion molecule of the immunoglobulin superfamily (PMID: 3049624). It consists of six Ig domains, four fibronectin-like motifs, and a glycosylphosphatidylinositol (GPI)-moiety. Expressed by the central and peripheral neurons, CNTN1 contributes to the formation and function of neuronal connections. It plays a role in axon extension and formation of septate-like junctions between axons and myelinating glial cells (PMID: 23724143). In addition, acting as a ligand for Notch, CNTN1 initiates a NOTCH/DTX1 signaling pathway that promotes oligodendrocyte maturation and myelination (PMID: 14567914).

## 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

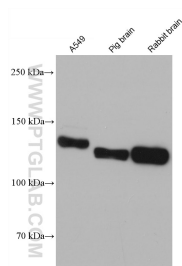
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68252-1-Ig (CNTN1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.