

For Research Use Only

CNTN4 Recombinant monoclonal antibody

Catalog Number: 87572-1-RR



Basic Information

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|--|--|---|
| Catalog Number: 87572-1-RR | GenBank Accession Number: NM_001206955.2 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 152330 | CloneNo.: 252031B8 |
| Source: Rabbit | UNIPROT ID: Q8IWW2-1 | Recommended Dilutions: WB: 1:1000-1:4000 |
| Isotype: IgG | Full Name: contactin 4 | |
| Immunogen Catalog Number: EG5574 | Calculated MW: 113 kDa | |
| | Observed MW: 150 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : fetal human brain tissue, |
| Species Specificity: human | |

Background Information

Contactins are nervous system-specific members of the immunoglobulin superfamily, comprising six subtypes: contactin, TAG-1, BIG-1, BIG-2, NB-2 and NB-3 (PMID: 19262165). They are structurally and functionally conserved among species and predominantly expressed in neurons (PMID: 25300137). As a GPI-anchored synaptic adhesion molecule, CNTN4 (BIG-2) regulates brain axonal activities (PMID: 14571131). Elevated CNTN4 expression in tumors suppresses the anti-tumor immunity of T cells (PMID: 39392894).

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

*** 20ul sizes contain 0.1% BSA

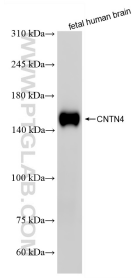
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

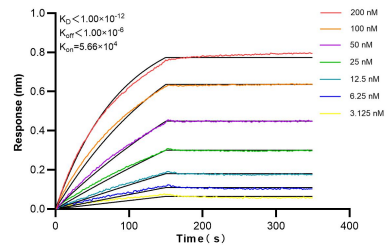
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



fetal human brain tissue were subjected to SDS PAGE followed by western blot with 87572-1-RR (CNTN4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87572-1-RR against Human CNTN4 were performed. The affinity constant is below 1 pM.