

For Research Use Only

CNTN2 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 87574-1-PBS



Basic Information

Catalog Number: 87574-1-PBS	GenBank Accession Number: NM_001346083.2	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 6900	CloneNo.: 252726A10
Isotype: IgG	UNIPROT ID: Q02246	
Immunogen Catalog Number: EG5489	Full Name: contactin 2 (axonal)	
	Calculated MW: 113 kDa	
	Observed MW: 135-150 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat, pig

Background Information

Contactin-2 (CNTN2), also known as CNTN2 or axonal glycoprotein TAG-1, is a cell adhesion molecule anchored within the cell membrane that is a member of the immunoglobulin family. It is reported to be transiently expressed in specific neurons during the fetal period (PMID: 27621318, 29777776). CNTN2 consists of six Ig domains followed by four fibronectin domains, and it is tethered to the cell surface by a glycosylphosphatidylinositol anchor. CNTN2 levels may reflect impairment of brain development and indirectly brain iron stores, which are likely deficient in infants of maternal IDA or chronic hypoxic states like IDMs (PMID: 26718491).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

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

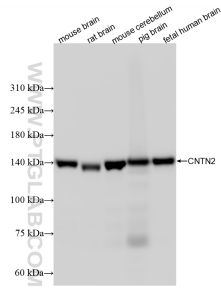
T: 4006900926

E: Proteintech-CN@ptglab.com

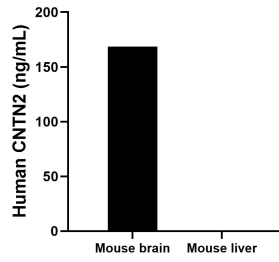
W: ptgcn.com

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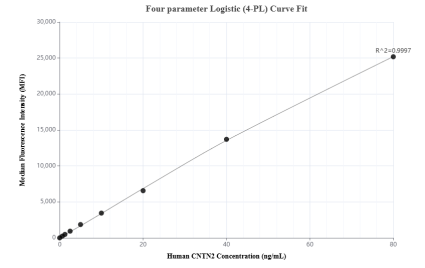
Selected Validation Data



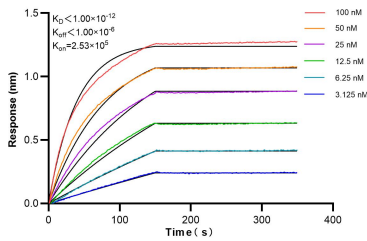
Various lysates were subjected to SDS PAGE followed by western blot with 87574-1-RR (CNTN2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87574-1-PBS in a different storage buffer formulation.



The mean CNTN2 concentration was determined to be 168.6 ng/mL in mouse brain tissue extract based on a 3.2 mg/mL extract load, mouse liver tissue extract were served as a negative control.



Cytometric bead array standard curve of MP03102-1, CNTN2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87574-2-PBS. Detection antibody: 87574-1-PBS. Standard: Eg5489. Range: 0.625-80 ng/mL.



Bi-layer interferometry (BLI) kinetic assays of 87574-1-RR against Human CNTN2 were performed. The affinity constant is below 1 pM.