

For Research Use Only

# CNTN4 Recombinant monoclonal antibody, PBS Only

Catalog Number:87572-1-PBS



## Basic Information

<b>Catalog Number:</b> 87572-1-PBS	<b>GenBank Accession Number:</b> NM_001206955.2	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 152330	<b>CloneNo.:</b> 252031B8
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q8IWW2-1	
<b>Immunogen Catalog Number:</b> EG5574	<b>Full Name:</b> contactin 4	
	<b>Calculated MW:</b> 113 kDa	
	<b>Observed MW:</b> 150 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**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 -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:

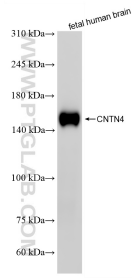
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

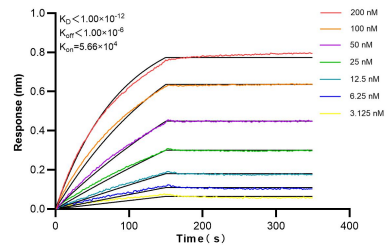
W: [ptgcn.com](http://ptgcn.com)

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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. This data was developed using the same antibody clone with 87572-1-PBS in a different storage buffer formulation.



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