

For Research Use Only

# LRFN5 Recombinant antibody

Catalog Number: 83880-5-RR



## Basic Information

<b>Catalog Number:</b> 83880-5-RR	<b>GenBank Accession Number:</b> BC043165	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 145581	<b>CloneNo.:</b> 241060F5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96NI6	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> leucine rich repeat and fibronectin type III domain containing 5	
<b>Immunogen Catalog Number:</b> AG22152	<b>Calculated MW:</b> 719 aa, 79 kDa	
	<b>Observed MW:</b> 79 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> mouse brain tissue, mouse heart tissue, rat heart tissue
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> mouse brain tissue,

## Background Information

Leucine-rich repeat and fibronectin type-III domain-containing protein 5 (LRFN5), belongs to a family of five small transmembrane protein genes involved in the development, organization, and plasticity of synapses. LRFN5 has another synonym which stands for synaptic adhesion-like molecule 5 (SALM5). SALMs are newly characterized adhesion molecules predominantly expressed in the brain contributing to neurite outgrowth and synapse formation. (PMID: 37280213)

## Storage

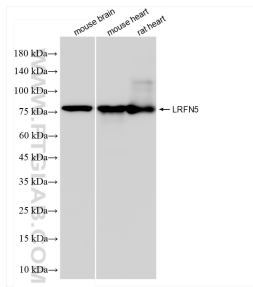
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

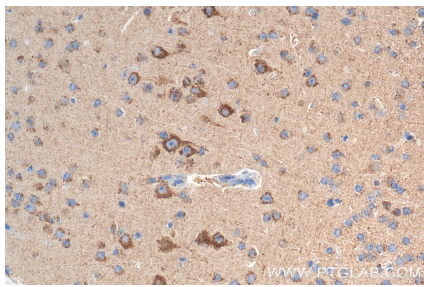
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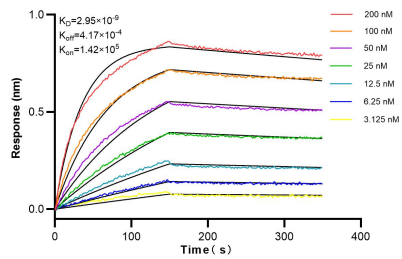
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83880-5-RR (LRFN5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83880-5-RR (LRFN5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 83880-5-RR against Human LRFN5 were performed. The affinity constant is 2.95 nM.