

For Research Use Only

# CLSTN3 Recombinant antibody

Catalog Number: 83931-1-RR



## Basic Information

<b>Catalog Number:</b> 83931-1-RR	<b>GenBank Accession Number:</b> BC039075	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9746	<b>CloneNo.:</b> 240865C10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BQT9	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Isotype:</b> IgG	<b>Full Name:</b> calsyntenin 3	
<b>Immunogen Catalog Number:</b> AG14897	<b>Calculated MW:</b> 968 aa, 107 kDa	
	<b>Observed MW:</b> 130 kDa, 140 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : rat brain tissue, rat cerebellum tissue
<b>Species Specificity:</b> human, rat	

## Background Information

Calsyntenins, also called alcadeins, are cadherin superfamily proteins first identified as synaptic proteins (PMID: 11161476; 12498782). Calsyntenins are type I transmembrane proteins with extracellular domains containing two cadherin repeats and an LNS (laminin, neuexin, sex hormone-binding globulin) domain (PMID: 24613359). Calsyntenin-3 (CLSTN3, also known as alcadein-beta) is a synapse-organizing protein that promotes the development of synapses. It is a postsynaptic adhesion molecule that binds to presynaptic neuexins to mediate both excitatory and inhibitory synapse formation (PMID: 25352602; 24613359).

## Storage

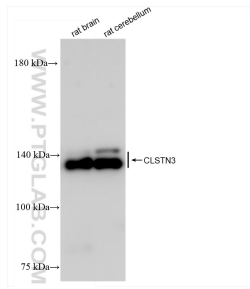
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

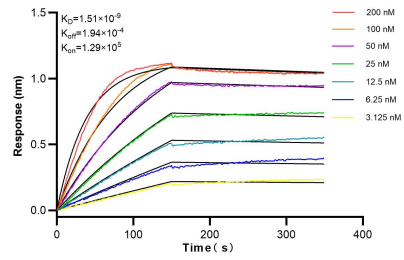
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83931-1-RR (CLSTN3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83931-1-RR against Human CLSTN3 were performed. The affinity constant is 1.51 nM.