

For Research Use Only

CLSTN3 Recombinant antibody

Catalog Number: 83931-1-RR



Basic Information

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

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : rat brain tissue, rat cerebellum tissue
Species Specificity: 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

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

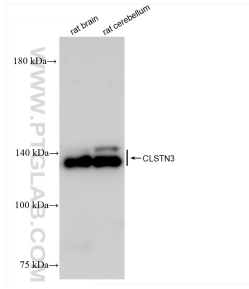
T: 4006900926

E: Proteintech-CN@ptglab.com

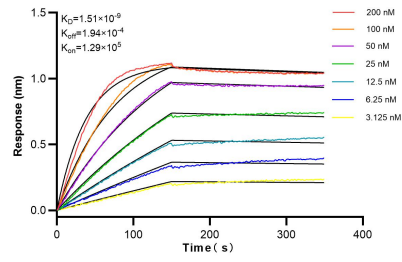
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Selected Validation Data



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.