

For Research Use Only

CACHD1 Recombinant antibody

Catalog Number: 83350-4-RR



Basic Information

Catalog Number: 83350-4-RR	GenBank Accession Number: BC039301	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 57685	CloneNo.: 240197A2
Source: Rabbit	UNIPROT ID: Q5VU97	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: cache domain containing 1	
Immunogen Catalog Number: AG22138	Calculated MW: 1274 aa, 142 kDa	
	Observed MW: 140-170 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, mouse brain tissue
Species Specificity: Human, mouse	

Background Information

CACHD1 (Cache domain-containing protein 1), also called VWCD1 (VWFA and cache domain-containing protein 1), is a type I membrane protein involved that modulates the activities of voltage-gated Ca(2+) channels (VGCCs) (PMID: 30181139; 30404013). CACHD1 has two isoforms, with molecular weights of 142 kDa and 109 kDa respectively. It has certain glycosylation modifications, and the molecular weight of isoform1 after glycosylation modification is 170 kDa (PMID: 30983497; 30404013). This antibody recognizes 142-170 kDa.

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

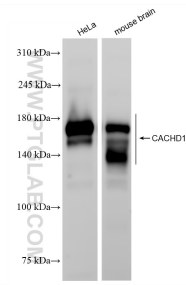
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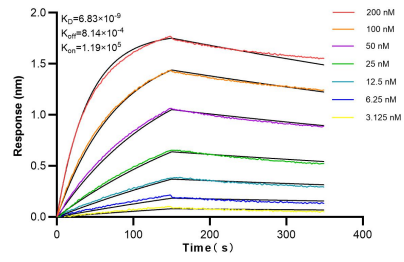
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83350-4-RR (CACHD1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83350-4-RR against Human CACHD1 were performed. The affinity constant is 6.83 nM.