

For Research Use Only

APLP2 Recombinant antibody, PBS Only

Catalog Number: 84703-3-PBS



Basic Information

Catalog Number: 84703-3-PBS	GenBank Accession Number: BC000373	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 334	CloneNo.: 241655G7
Source: Rabbit	UNIPROT ID: Q06481	
Isotype: IgG	Full Name: amyloid beta (A4) precursor-like protein 2	
Immunogen Catalog Number: AG6842	Calculated MW: 87 kDa	
	Observed MW: 95-120 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Amyloid precursor-like protein-2 (APLP2) is a member of the APP (amyloid precursor protein) family including APP, APLP1, and APLP2. APLP2 is ubiquitously expressed. It contains heparin-, copper- and zinc- binding domains at the N-terminus, BPTI/Kunitz inhibitor and E2 domains in the middle region, and transmembrane and intracellular domains at the C-terminus. APLP2 has been shown to regulate multiple cellular functions such as neurite outgrowth, axogenesis, corneal epithelial wound healing, cell adhesion, migration, and mitosis. The synergy of this protein and the APP is required to mediate neuromuscular transmission, spatial learning and synaptic plasticity. APLP2 has been implicated in the pathogenesis of Alzheimer's disease.

Storage

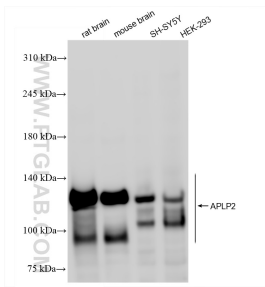
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

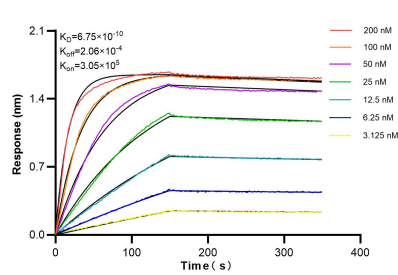
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84703-3-RR (APLP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84703-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84703-3-RR against Human APLP2 were performed. The affinity constant is 0.675 nM.