

For Research Use Only

AP4B1 Recombinant antibody, PBS Only

Catalog Number: 84710-3-PBS



Basic Information

Catalog Number: 84710-3-PBS	GenBank Accession Number: BC014146	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 10717	CloneNo.: 242121D4
Source: Rabbit	UNIPROT ID: Q9Y6B7	
Isotype: IgG	Full Name: adaptor-related protein complex 4, beta 1 subunit	
Immunogen Catalog Number: AG9348	Calculated MW: 739 aa, 83 kDa	
	Observed MW: ~75 kDa	

Applications

Tested Applications:
WB, IP, Indirect ELISA

Species Specificity:
human, mouse

Background Information

Adaptor protein (AP) complex is a component of intracellular protein transport. The AP4 complex is involved in sorting transmembrane cargo proteins into transport vesicles for trans-Golgi network export. AP4B1 is a member of the AP4 complex, which also includes AP4E1, AP4M1 and AP4S1. Loss-of-function variants in any of these four members can lead to AP-4-associated hereditary spastic paraplegia (HSP), a neurodegenerative disorder (PMID: 30543385). This antibody recognizes AP4B1.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

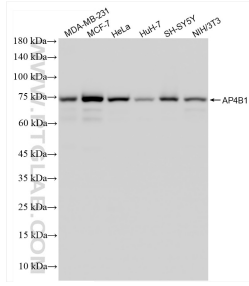
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

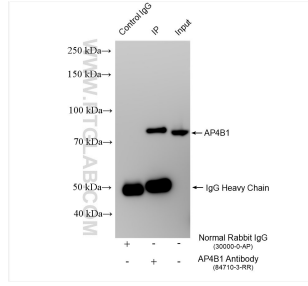
E: proteintech@ptglab.com
W: ptglab.com

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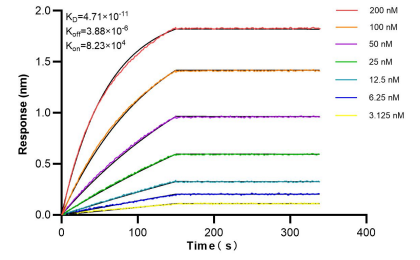
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84710-3-RR (AP4B1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84710-3-PBS in a different storage buffer formulation.



IP result of anti-AP4B1 (IP:84710-3-RR, 4ug; Detection:84710-3-RR 1:1500) with HeLa cells lysate 1200 ug. This data was developed using the same antibody clone with 84710-3-PBS in a different storage buffer formulation.



Biacore interferometry (BLI) kinetic assays of 84710-3-RR against Human AP4B1 were performed. The affinity constant is 47.1 pM.