

AP2B1 Monoclonal antibody

Catalog Number: 68349-1-Ig

Basic Information

Catalog Number: 68349-1-Ig	GenBank Accession Number: BC006201	Purification Method: Protein A purification
Size: 500 µg/ml	GeneID (NCBI): 163	CloneNo.: 1A3B6
Source: Mouse	UNIPROT ID: P63010	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000 IF/ICC 1:1000-1:4000
Isotype: IgG2a	Full Name: adaptor-related protein complex 2, beta 1 subunit	
Immunogen Catalog Number: AG8264	Calculated MW: 105 kDa	
	Observed MW: 100-115 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls:
Species Specificity: Human, Mouse, Rat, Rabbit, Pig	WB : pig cerebellum tissue, HeLa cells, rabbit cerebellum tissue, rat cerebellum tissue, mouse cerebellum tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : rat brain tissue,
	IF/ICC : HeLa cells,

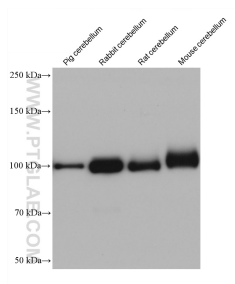
Background Information

AP2B1 is a component of the adaptor protein complex 2 (AP-2). AP complexes are cytosolic heterotetramers that mediate the sorting of membrane proteins in the secretory and endocytic pathways. AP complexes are involved in the formation of clathrin-coated vesicles (CCVs) by recruiting the scaffold protein, clathrin. AP complexes also play a pivotal role in the cargo selection by recognizing the sorting signals within the cytoplasmic tail of integral membrane proteins. AP-2 works on the plasma membrane to internalize cargo in clathrin-mediated endocytosis.

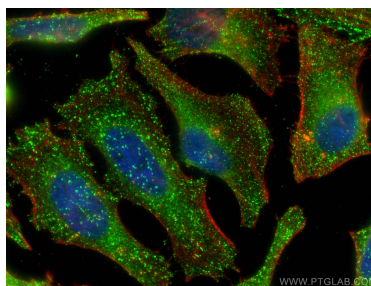
Storage

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68349-1-Ig (AP2B1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using AP2B1 antibody (68349-1-Ig, Clone: 1A3B6) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).