

For Research Use Only

PPT1 Monoclonal antibody

Catalog Number: 67699-1-Ig **Featured Product**



Basic Information

Catalog Number: 67699-1-Ig	GenBank Accession Number: BC008426	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop and 500 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5538	CloneNo.: 1A1A3
Source: Mouse	UNIPROT ID: P50897	Recommended Dilutions: WB 1:2000-1:10000 IF-P 1:200-1:800
Isotype: IgG2a	Full Name: palmitoyl-protein thioesterase 1	
Immunogen Catalog Number: AG30550	Calculated MW: 34 kDa	
	Observed MW: 32-34 kDa	

Applications

Tested Applications: WB, IF-P, ELISA	Positive Controls:
Species Specificity: human, pig, rabbit	WB : A549 cells, pig heart tissue, pig brain tissue, LNCap cells, HeLa cells, Jurkat cells, K-562 cells, pig cerebellum tissue, rabbit brain tissue, rabbit cerebellum tissue
	IF-P : mouse testis tissue,

Background Information

The defective gene behind the INCL (infantile neuronal ceroid lipofuscinoses) disease, CLN1, encodes for palmitoyl protein thioesterase 1 (PPT1). It consists of 306 amino acids, including a signal sequence of 26 amino acids and three N-linked glycosylation sites. This protein exists with a molecular mass of 32 kDa, 34 kDa, 36 kDa, and 38 kDa. The enzyme is transported into lysosomes of non-neuronal cells by the mannose 6-phosphate receptor (M6PR) mediated pathway and a significant amount of native PPT1 resides in a complex rather than in a monomeric form (PMID:17565660).

Storage

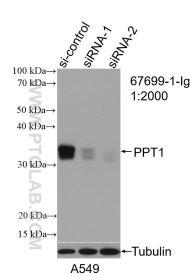
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

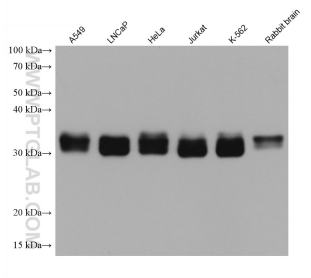
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

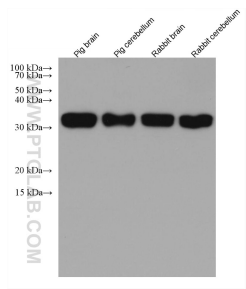
Selected Validation Data



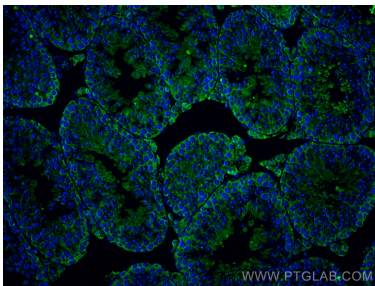
WB result of PPT1 antibody (67699-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PPT1 transfected A549 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 67699-1-Ig (PPT1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse testis tissue using PPT1 antibody (67699-1-Ig, Clone: 1A1A3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).