

PPT1 Polyclonal antibody

Catalog Number: 10887-1-AP

1 Publications

Basic Information

Catalog Number: 10887-1-AP	GenBank Accession Number: BC008426	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5538	Recommended Dilutions: IHC 1:20-1:200
Source: Rabbit	Full Name: palmitoyl-protein thioesterase 1	
Isotype: IgG	Calculated MW: 34 kDa	
Immunogen Catalog Number: AG1131		

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human kidney tissue,
Cited Applications: IHC, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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 the 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Tongmin Xue	36879822	iScience	WB, IHC

Storage

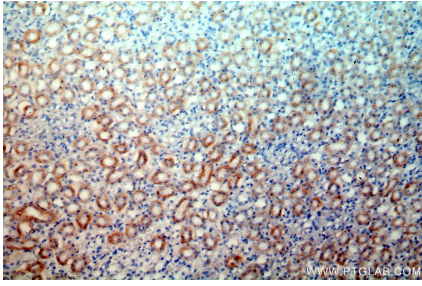
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

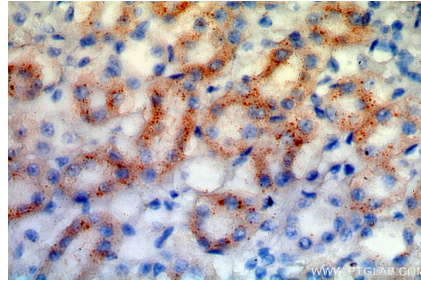
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human kidney using 10887-1-AP (PPT1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 10887-1-AP (PPT1 antibody) at dilution of 1:50 (under 40x lens).