

**PPT1 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17150c**

**Specification**

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**PPT1 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P50897</a>
Other Accession	<a href="#">Q8HXW6</a> , <a href="#">NP_001136076.1</a> , <a href="#">NP_000301.1</a>
Reactivity	Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34193
Antigen Region	189-217

**PPT1 Antibody (Center) - Additional Information**

**Gene ID** 5538

**Other Names**

Palmitoyl-protein thioesterase 1, PPT-1, Palmitoyl-protein hydrolase 1, PPT1, PPT

**Target/Specificity**

This PPT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 189-217 amino acids from the Central region of human PPT1.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PPT1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**PPT1 Antibody (Center) - Protein Information**

**Name** PPT1

**Synonyms** CLN1 {ECO:0000303|PubMed:19941651}, PPT

**Function** Removes thioester-linked fatty acyl groups such as palmitate from modified cysteine residues in proteins or peptides during lysosomal degradation. Prefers acyl chain lengths of 14 to 18 carbons (PubMed:[8816748](#)).

**Cellular Location**

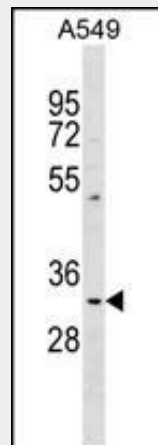
Lysosome. Secreted {ECO:0000250|UniProtKB:P45478}

**PPT1 Antibody (Center) - Protocols**

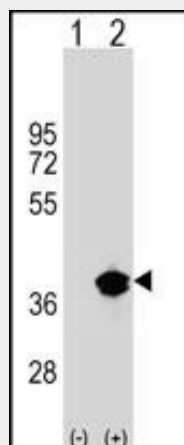
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PPT1 Antibody (Center) - Images**



PPT1 Antibody (Center) (Cat. #AP17150c) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the PPT1 antibody detected the PPT1 protein (arrow).



Western blot analysis of PPT1 (arrow) using rabbit polyclonal PPT1 Antibody (Center) (Cat. #AP17150c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PPT1 gene.

#### **PPT1 Antibody (Center) - Background**

The protein encoded by this gene is a small glycoprotein involved in the catabolism of lipid-modified proteins during lysosomal degradation. The encoded enzyme removes thioester-linked fatty acyl groups such as palmitate from cysteine residues. Defects in this gene are a cause of infantile neuronal ceroid lipofuscinosis 1 (CLN1, or INCL) and neuronal ceroid lipofuscinosis 4 (CLN4). Two transcript variants encoding different isoforms have been found for this gene.

#### **PPT1 Antibody (Center) - References**

Ohno, K., et al. Brain Dev. 32(7):524-530(2010)  
Simonati, A., et al. Pediatr. Neurol. 40(4):271-276(2009)  
Martins-de-Souza, D., et al. Eur Arch Psychiatry Clin Neurosci 259(3):151-163(2009)  
Kousi, M., et al. Brain 132 (PT 3), 810-819 (2009) :  
Gregorio, S.P., et al. Psychiatry Res 165 (1-2), 1-9 (2009) :