

**PPT1 Antibody (C-term)**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM2265b**

**Specification**

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**PPT1 Antibody (C-term) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">P50897</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Antigen Region	1-306

**PPT1 Antibody (C-term) - 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 a mouse immunized with a full-length recombinant protein from human PPT1.

**Dilution**

WB~~1:1000

IHC-P~~1:25

FC~~1:25

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**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 (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PPT1 Antibody (C-term) - 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**

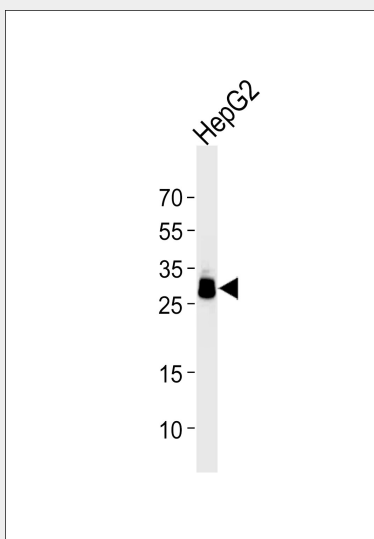
Lysosome. Secreted {ECO:0000250|UniProtKB:P45478}

**PPT1 Antibody (C-term) - Protocols**

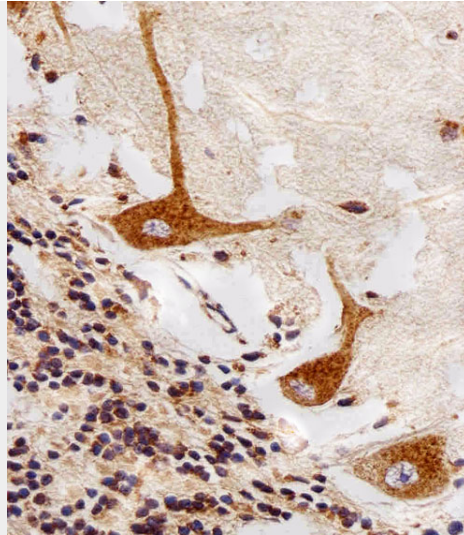
Provided below are standard protocols that you may find useful for product applications.

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

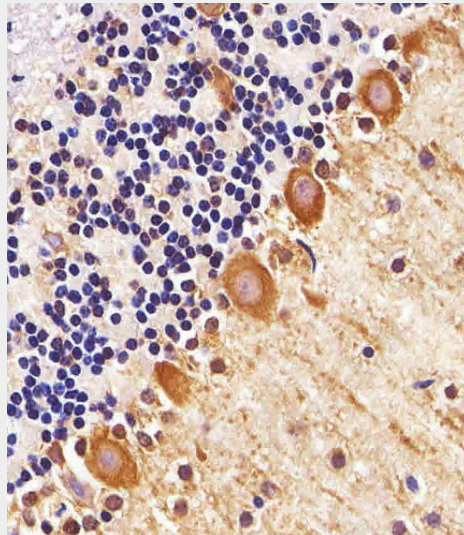
**PPT1 Antibody (C-term) - Images**



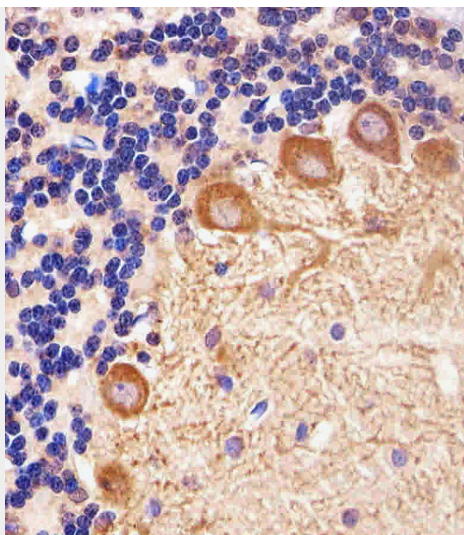
Western blot analysis of lysate from HepG2 cell line using PPT1 Antibody (Cat. # AM2265b). AM2265b was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysate at 35µg per lane.



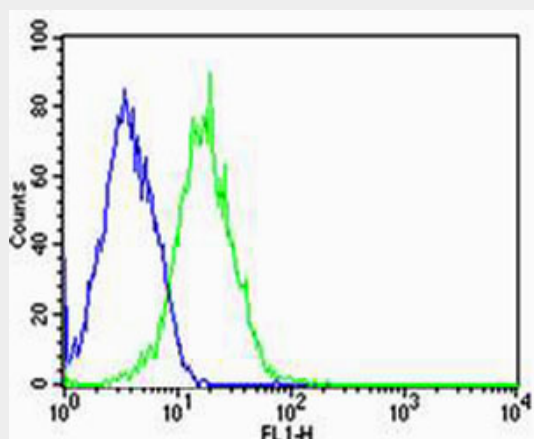
Immunohistochemical analysis of paraffin-embedded H. cerebellum section using PPT1 Antibody (C-term)(Cat#AM2265b). AM2265b was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded M. cerebellum section using PPT1 Antibody (C-term)(Cat#AM2265b). AM2265b was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded R. cerebellum section using PPT1 Antibody (C-term)(Cat#AM2265b). AM2265b was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Flow cytometric analysis of HepG2 cells using PPT1 Antibody (C-term)(green, Cat#AM2265b) compared to an isotype control of mouse IgG1(blue). AM2265b was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody.

#### **PPT1 Antibody (C-term) - Background**

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.

#### **PPT1 Antibody (C-term) - References**

- Vesa J., et al. Nature 376:584-587(1995).
- Crews C.M., et al. Proc. Natl. Acad. Sci. U.S.A. 93:4316-4319(1996).
- Schriner J.E., et al. Genomics 34:317-322(1996).
- Ota T., et al. Nat. Genet. 36:40-45(2004).
- Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.