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PPT1 Antibody (C-term)

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM2265b

Specification

PPT1 Antibody (C-term) - Product Information

Application	**IHC-P, FC, WB,E**
Primary Accession	P50897
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
IHC-P~~1:25
FC~~1:25
WB~~1:1000
E~~Use at an assay dependent concentration.

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 Has thioesterase activity against fatty acid thioesters with 14 -18 carbons, including palmitoyl-CoA, S-palmitoyl-N- acetylcysteamine, and palmitoylated proteins (PubMed:12855696, PubMed:26731412, PubMed:8816748). In contrast to PPT2, PPT1 can hydrolyze palmitoylated proteins and palmitoylcysteine (PubMed:12855696).

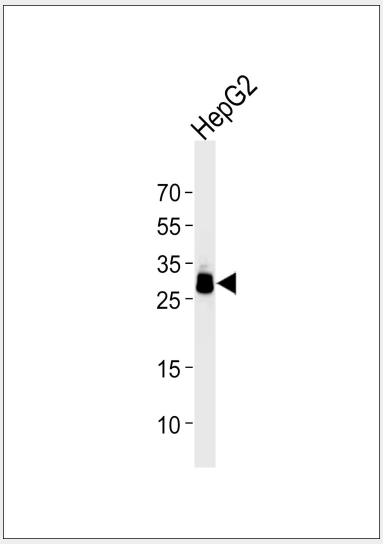
Cellular Location
Lysosome. Secreted Golgi apparatus. Endoplasmic reticulum

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 Cytomety
- 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.

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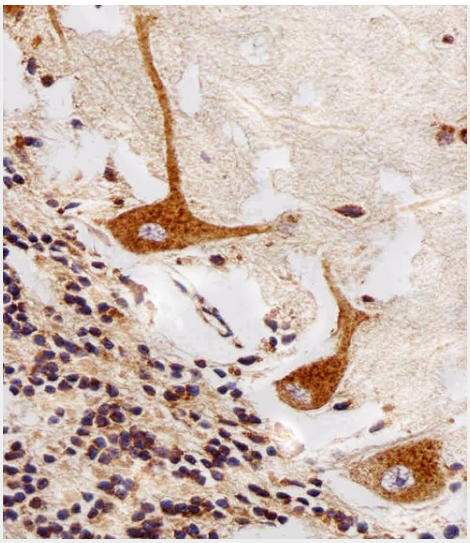
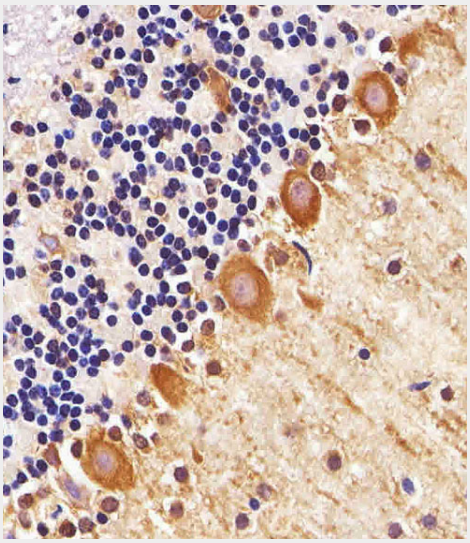


Immunohistochemical analysis of paraffin-embedded H. cerebellum section using PPT1 Antibody (C-term)(Cat#AM2265b). AM2265b was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



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.

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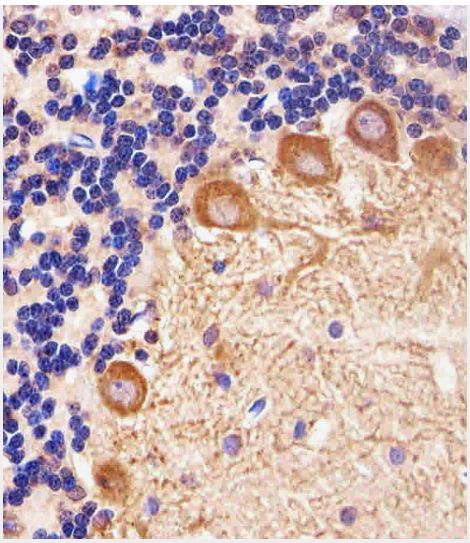
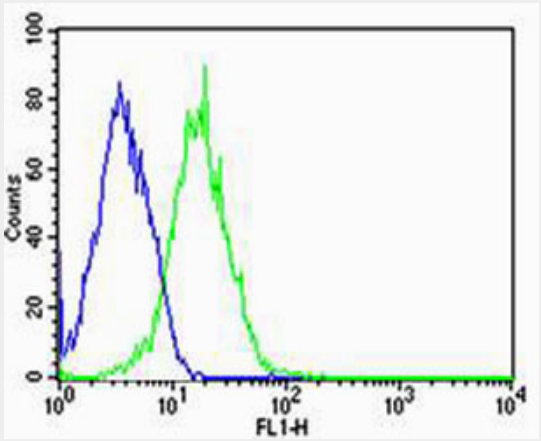


Immunohistochemical analysis of paraffin-embedded R. cerebellum section using PPT1 Antibody (C-term)(Cat#AM2265b). AM2265b was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



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.