

PPT1 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AW5484

Specification

PPT1 Antibody - Product Information

Application	WB,E
Primary Accession	P50897
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	H=34,23 KDa
Isotype	IgG1
Antigen Source	HUMAN

PPT1 Antibody - Additional Information

Gene ID 5538

Other Names

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

Dilution

WB~~1:1000

Target/Specificity

This PPT1 antibody is generated from a mouse immunized with a full-length recombinant protein from human PPT1.

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 is for research use only and not for use in diagnostic or therapeutic procedures.

PPT1 Antibody - 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

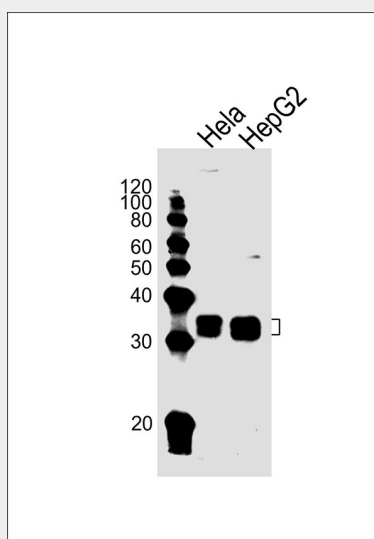
Lysosome. Secreted Golgi apparatus. Endoplasmic reticulum

PPT1 Antibody - 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 - Images



All lanes : Anti-PPT1 Antibody (C-term) at 1:1000 dilution Lane 1: HeLa whole cell lysates Lane 2: HepG2 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 34 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

PPT1 Antibody - 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 - 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.