

PPT1 Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AW5484

Product Information

Application	WB
Primary Accession	P50897
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	34193
Isotype	IgG1
Antigen Source	HUMAN

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.

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

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.

References

Vesa J.,et al.Nature 376:584-587(1995).

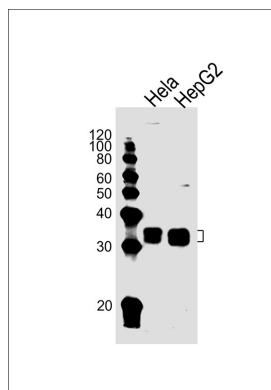
Crews C.M.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:4316-4319(1996).

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.

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% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.