

Rabbit PPT1 Polyclonal Antibody | anti-PPT1 antibody

PPT1 Antibody (C-term)

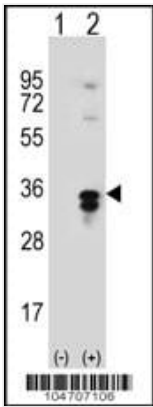
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286463	Rabbit	Human (Predicted Reactivity: Monkey)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

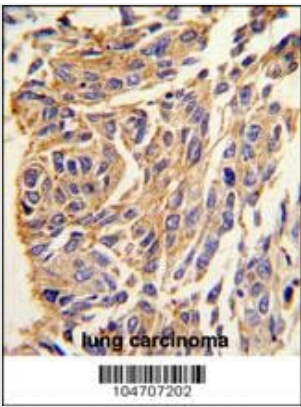
PPT1; Polyclonal Antibody; PPT1 Antibody (C-term); Palmitoyl-protein thioesterase 1; PPT-1; Palmitoyl-protein hydrolase 1; PPT; anti-PPT1 antibody

PRODUCT SPECIFICATIONS

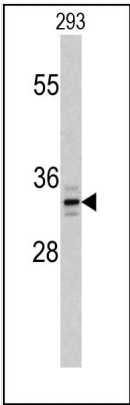
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PPT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 269-300 amino acids from the C-terminal region of human PPT1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	269-300
Sequence Length	306
Applicable Applications for anti-PPT1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Western blot analysis of PPT1 (arrow) using rabbit polyclonal PPT1 Antibody (A284). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PPT1 gene.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with PPT1 antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of PPT1 Antibody (C-term) in 293 cell line lysates (35ug/lane). PPT1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PPT1 antibody	Palmitoyl-protein thioesterase-1 (PPT1) is a lysosomal hydrolase that removes long-chain fatty acyl groups from modified cysteine residues in proteins. Mutations in PPT1 have been found to cause the infantile form of neuronal ceroid lipofuscinosis (INCL), and an animal model has been developed. ¹ The deduced PPT2 protein contains 302 amino acids, including a 27-amino acid leader peptide, a sequence motif characteristic of many thioesterases and lipases, and 5 potential N-linked glycosylation sites. ² PPT2 shares 18% amino acid identity with PPT1. Northern blot analysis detected a predominant 2.0-kb PPT2 transcript in the human tissues examined, with the highest expression in skeletal muscle; variable amounts of 2.8- and 7.0-kb transcripts were also observed. Recombinant PPT2, like PPT1, possesses thioesterase activity and localizes to the lysosome. Since PPT2 could not substitute for PPT1 in correcting the metabolic defect in INCL cells and was unable to remove palmitate groups from palmitoylated proteins that are routinely used as substrates for PPT1 it has been postulated that PPT2 possesses a different substrate specificity than PPT1.
Product Categories/Family for anti-PPT1 antibody	Metabolism; Signal Transduction
References	Calero, G., et al., J. Biol. Chem. 278(39):37957-37964 (2003). Hofmann, S.L., et al., Curr. Mol. Med. 2(5):423-437 (2002). Weimer, J.M., et al., Neuromolecular Med. 1(2):111-124 (2002). Lu, J.Y., et al., Proc. Natl. Acad. Sci. U.S.A. 93(19):10046-10050 (1996). Crews, C.M., et al., Proc. Natl. Acad. Sci. U.S.A. 93(9):4316-4319 (1996).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506031
NCBI GeneID	5538
NCBI Accession #	NP_000301.1; NP_001136076.1
NCBI GenBank Nucleotide #	NM_000310.3
UniProt Accession #	P50897; Q6FGQ4; B4DY24
Molecular Weight	34193
NCBI Official Full Name	palmitoyl-protein thioesterase 1 isoform 1
NCBI Official Synonym Full Names	palmitoyl-protein thioesterase 1
NCBI Official Symbol	PPT1
NCBI Official Synonym Symbols	PPT; CLN1; INCL
NCBI Protein Information	palmitoyl-protein thioesterase 1
UniProt Protein Name	Palmitoyl-protein thioesterase 1
UniProt Gene Name	PPT1
UniProt Synonym Gene Names	PPT; PPT-1
UniProt Entry Name	PPT1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ppt1-antibody-immunohistochemistry-western-blot-elisa/286463>