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PPT1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17150c

Specification

PPT1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P50897

PPT1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 5538

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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PPT1 Antibody (Center) Blocking Peptide - 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 (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

PPT1 Antibody (Center) Blocking Peptide - Images

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PPT1 Antibody (Center) Blocking Peptide - Background

The protein encoded by this gene is a small glycoproteininvolved in the catabolism of lipid-modified proteins duringlysosomal degradation. The encoded enzyme removes thioester-linkedfatty acyl groups such as palmitate from cysteine residues. Defectsin this gene are a cause of infantile neuronal ceroidlipofuscinosis 1 (CLN1, or INCL) and neuronal ceroid lipofuscinosis4 (CLN4). Two transcript variants encoding different isoforms havebeen found for this gene.

PPT1 Antibody (Center) Blocking Peptide - References

Ohno, K., et al. Brain Dev. 32(7):524-530(2010)Simonati, A., et al. Pediatr. Neurol. 40(4):271-276(2009)Martins-de-Souza, D., et al. Eur Arch Psychiatry Clin Neurosci 259(3):151-163(2009)Kousi, M., et al. Brain 132 (PT 3), 810-819 (2009) :Gregorio, S.P., et al. Psychiatry Res 165 (1-2), 1-9 (2009) :