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PPT2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP2539a

Specification

PPT2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession	Q9UMR5
Other Accession	PPT2_HUMAN

PPT2 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 9374

Other Names
Lysosomal thioesterase PPT2, PPT-2, 312-, S-thioesterase G14, PPT2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2539a was selected from the N-term region of human PPT2 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

PPT2 Antibody (N-term) Blocking Peptide - Protein Information

Name PPT2

Function
Removes thioester-linked fatty acyl groups from various substrates including S-palmitoyl-CoA. Has the highest S-thioesterase activity for the acyl groups palmitic and myristic acid followed by other short- and long-chain acyl substrates. However, because of structural constraints, is unable to remove palmitate from peptides or proteins.

Cellular Location
Lysosome.

Tissue Location
Broadly expressed, with highest levels in skeletal muscle.

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PPT2 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

PPT2 Antibody (N-term) Blocking Peptide - Images

PPT2 Antibody (N-term) Blocking Peptide - Background

PPT2 removes thioester-linked fatty acyl groups from modified cysteine residues in proteins and prefers the acyl groups palmitic and myristic acid over other long-chain acyl substrates. It is a glycosylated lysosomal protein and member of the palmitoyl-protein thioesterase family.

PPT2 Antibody (N-term) Blocking Peptide - References

Clark, H.F., et al., Genome Res. 13(10):2265-2270 (2003).Calero, G., et al., J. Biol. Chem. 278(39):37957-37964 (2003).Soyombo, A.A., et al., Genomics 56(2):208-216 (1999).Soyombo, A.A., et al., J. Biol. Chem. 272(43):27456-27463 (1997).Aguado, B., et al., Biochem. J. 341 (Pt 3), 679-689 (1999).