

PPT2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP2539b

Specification

**PPT2 Antibody (C-term) Blocking Peptide -
Product Information**

Primary Accession [O9UMR5](#)
Other Accession [PPT2_HUMAN](#)

**PPT2 Antibody (C-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 [AP2539b](/product/products/AP2539b) was selected from the C-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 (C-term) Blocking Peptide -
Protein Information**

Name PPT2

**PPT2 Antibody (C-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 (C-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).

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.

PPT2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)