

PPT2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14515c**Specification**

PPT2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q9UMR5](#)

PPT2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 9374

Other Names

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

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 (Center) 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.

PPT2 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PPT2 Antibody (Center) Blocking Peptide - Images**PPT2 Antibody (Center) Blocking Peptide - Background**

This gene encodes a member of the palmitoyl-protein thioesterase family. The encoded glycosylated lysosomal protein has palmitoyl-CoA hydrolase activity in vitro, but does not hydrolyze palmitate from cysteine residues in proteins. Three transcript variants encoding different isoforms have been described for this gene, with one of the isoforms being inactive. [provided by RefSeq].

PPT2 Antibody (Center) Blocking Peptide - References

Hancock, D.B., et al. Nat. Genet. 42(1):45-52(2010) Barcellos, L.F., et al. PLoS Genet. 5 (10), E1000696 (2009) :McKinnon, E., et al. Diabetes Obes Metab 11 SUPPL 1, 92-100 (2009) :Lamesch, P., et al. Genomics 89(3):307-315(2007) Sleat, D.E., et al. Mol. Cell Proteomics 5(4):686-701(2006)