10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

## Specification

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

| | |
|---|---|
| Primary Accession | Q9UMR5 |
| 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 <a href=/product/products/AP2539b>AP2539b</a> 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 (HGNC:9326)

**Function**
Catalyzes the cleavage of thioester bonds from S-palmitoyl- CoA or S-palmitoyl-N-acetylcysteamine (unbranched structures) but does not have activity against palmitoylcysteine or palmitoylated proteins, branched structures or bulky head groups. Conversely, hydrolyzes both long and short chain fatty acyl-CoA substrate.

**Cellular Location**
Lysosome.

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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

## PPT2 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

## PPT2 Antibody (C-term) Blocking Peptide - Images

## 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).