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# ACOT4 Antibody (C-term) Blocking peptide

**Synthetic peptide**
**Catalog # BP12844b**

## Specification

### ACOT4 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q8N9L9

### ACOT4 Antibody (C-term) Blocking peptide - Additional Information

**Gene ID** 122970

**Other Names**
Acyl-coenzyme A thioesterase 4, Acyl-CoA thioesterase 4, PTE-2b, Peroxisomal acyl coenzyme A thioester hydrolase Ib, Peroxisomal long-chain acyl-CoA thioesterase Ib, PTE-Ib, ACOT4, PTE2B, PTEIB

**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.

### ACOT4 Antibody (C-term) Blocking peptide - Protein Information

**Name** ACOT4

**Synonyms** PTE2B, PTEIB

**Function**
Catalyzes the hydrolysis of acyl-CoAs into free fatty acids and coenzyme A (CoASH), regulating their respective intracellular levels (PubMed:<a href="http://www.uniprot.org/citations/16940157" target="_blank">16940157</a>). Functions as a peroxisomal succinyl-coenzyme A thioesterase that can also hydrolyze glutaryl-CoA and long chain saturated acyl-CoAs (PubMed:<a href="http://www.uniprot.org/citations/16940157" target="_blank">16940157</a>).

**Cellular Location**
Peroxisome.

**Tissue Location**
Strongest expression in liver and kidney and weaker expression in placenta, heart, and muscle

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## ACOT4 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

## ACOT4 Antibody (C-term) Blocking peptide - Images

## ACOT4 Antibody (C-term) Blocking peptide - Background

Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH (By similarity). Succinyl-CoA thioesterase that also hydrolyzes long chain saturated and unsaturated monocarboxylic acyl-CoAs.

## ACOT4 Antibody (C-term) Blocking peptide - References

Hunt, M.C., et al. FASEB J. 20(11):1855-1864(2006)Westin, M.A., et al. J. Biol. Chem. 280(46):38125-38132(2005)Hunt, M.C., et al. J. Lipid Res. 46(9):2029-2032(2005)Jones, J.M., et al. Biochem. Biophys. Res. Commun. 275(1):233-240(2000)Hunt, M.C., et al. J. Biol. Chem. 274(48):34317-34326(1999)