

**ACOT1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9100a****Specification**

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**ACOT1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q86TX2](#)**ACOT1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 641371**Other Names**

Acyl-coenzyme A thioesterase 1, Acyl-CoA thioesterase 1, CTE-I, CTE-Ib, Inducible cytosolic acyl-coenzyme A thioester hydrolase, Long chain acyl-CoA thioester hydrolase, Long chain acyl-CoA hydrolase, ACOT1, CTE1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9100a](/products/AP9100a) was selected from the N-term region of human ACOT1. 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.

**ACOT1 Antibody (N-term) Blocking Peptide - Protein Information****Name** ACOT1**Synonyms** CTE1**Function**

Catalyzes the hydrolysis of acyl-CoAs into free fatty acids and coenzyme A (CoASH), regulating their respective intracellular levels. More active towards saturated and unsaturated long chain fatty acyl-CoAs (C12-C20).

**Cellular Location**

Cytoplasm, cytosol.

**ACOT1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**ACOT1 Antibody (N-term) Blocking Peptide - Images****ACOT1 Antibody (N-term) Blocking Peptide - Background**

ACOT1 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. Active towards fatty acyl-CoA with chain-lengths of C12-C16 (By similarity).

**ACOT1 Antibody (N-term) Blocking Peptide - References**

Hunt,M.C., et.al., FASEB J. 20 (11), 1855-1864 (2006) Hunt,M.C., et.al., J. Lipid Res. 46 (9), 2029-2032 (2005)