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ACOT1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP9100a

Specification

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 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.

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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)