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ACOT2 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5652c

Specification

ACOT2 Antibody (Center) Blocking peptide - Product Information

Primary Accession	P49753
Other Accession	NP_006812.3

ACOT2 Antibody (Center) Blocking peptide - Additional Information

Gene ID 10965

Other Names
Acyl-coenzyme A thioesterase 2, mitochondrial, Acyl-CoA thioesterase 2, Acyl-coenzyme A thioester hydrolase 2a, CTE-Ia, Long-chain acyl-CoA thioesterase 2, ZAP128, ACOT2, PTE2, PTE2A

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.

ACOT2 Antibody (Center) Blocking peptide - Protein Information

Name ACOT2

Synonyms PTE2, PTE2A

Function
Catalyzes the hydrolysis of acyl-CoAs into free fatty acids and coenzyme A (CoASH), regulating their respective intracellular levels (PubMed:16940157, PubMed:10944470). Displays higher activity toward long chain acyl CoAs (C14-C20) (PubMed:16940157, PubMed:10944470). The enzyme is involved in enhancing the hepatic fatty acid oxidation in mitochondria (By similarity).

Cellular Location
Mitochondrion.

Tissue Location
Strongest expression in heart, liver, muscle and kidney. Weak in placenta and pancreas.

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ACOT2 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

ACOT2 Antibody (Center) Blocking peptide - Images

ACOT2 Antibody (Center) Blocking peptide - Background

Acyl-CoA thioesterases, such as ACOT2, are a group ofenzymes that hydrolyze CoA esters, such as acyl-CoAs, bile CoAs,and CoA esters of prostaglandins, to the corresponding free acidand CoA (Hunt et al., 2005 [PubMed 16103133]).

ACOT2 Antibody (Center) Blocking peptide - References

Mandel, C.R., et al. Biochem. Biophys. Res. Commun. 385(4):630-633(2009)Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Hunt, M.C., et al. FASEB J. 20(11):1855-1864(2006)