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ACOT11 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP10130b

Specification

ACOT11 Antibody (C-term) Blocking peptide - Product Information

Primary Accession	Q8WXI4
Other Accession	NP_056362.1, NP_671517.1

ACOT11 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 26027

Other Names
Acyl-coenzyme A thioesterase 11, Acyl-CoA thioesterase 11, 312-, Acyl-CoA thioester hydrolase 11, Adipose-associated thioesterase, Brown fat-inducible thioesterase, BFIT, ACOT11, BFIT, KIAA0707, THEA

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.

ACOT11 Antibody (C-term) Blocking peptide - Protein Information

Name ACOT11

Synonyms BFIT, KIAA0707, THEA

Function
Has an acyl-CoA thioesterase activity with a preference for the long chain fatty acyl-CoA thioesters hexadecanoyl-CoA/palmitoyl-CoA and tetradecanoyl-CoA/myristoyl-CoA which are the main substrates in the mitochondrial beta-oxidation pathway.

Cellular Location
Mitochondrion matrix. Cytoplasm

Tissue Location
Isoform 1 is predominantly expressed in skeletal muscle, liver, testis, stomach, spleen, lung and brain. Isoform 2 is predominantly expressed in kidney, uterus, hibernoma and white adipose tissue

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ACOT11 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

ACOT11 Antibody (C-term) Blocking peptide - Images

ACOT11 Antibody (C-term) Blocking peptide - Background

This gene encodes a member of the acyl-CoA thioesterasefamily which catalyse the conversion of activated fatty acids tothe corresponding non-esterified fatty acid and coenzyme A.Expression of a mouse homolog in brown adipose tissue is induced bylow temperatures and repressed by warm temperatures. Higher levelsof expression of the mouse homolog has been found inobesity-resistant mice compared with obesity-prone mice, suggestinga role of acyl-CoA thioesterase 11 in obesity. Alternative splicingresults in transcript variants.

ACOT11 Antibody (C-term) Blocking peptide - References

Kirkby, B., et al. Prog. Lipid Res. 49(4):366-377(2010)Hunt, M.C., et al. J. Lipid Res. 46(9):2029-2032(2005)Adams, S.H., et al. Biochem. J. 360 (PT 1), 135-142 (2001) :