

**ACOT11 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10130b****Specification**

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**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

**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 thioesterase family which catalyse the conversion of activated fatty acids to the corresponding non-esterified fatty acid and coenzyme A. Expression of a mouse homolog in brown adipose tissue is induced by low temperatures and repressed by warm temperatures. Higher levels of expression of the mouse homolog has been found in obesity-resistant mice compared with obesity-prone mice, suggesting a role of acyl-CoA thioesterase 11 in obesity. Alternative splicing results 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) :