



# ACO11 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-05276
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	ACOT11 BFIT KIAA0707 THEA
<b>Protein Name</b>	Acyl-coenzyme A thioesterase 11 (Acyl-CoA thioesterase 11) (EC 3.1.2.-) (Acyl-CoA thioester hydrolase 11) (Adipose-associated thioesterase) (Brown fat-inducible thioesterase) (BFIT)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 290-370
<b>Specificity</b>	ACO11 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	66kD
<b>Cell Pathway</b>	Mitochondrion matrix . Cytoplasm .
<b>Tissue Specificity</b>	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.
<b>Function</b>	function:Has acyl-CoA thioesterase activity towards medium (C12) and long-chain (C18) fatty acyl-CoA substrates.,induction:By cold exposure and repressed by heat exposure.,similarity:Contains 1 START domain.,similarity:Contains 2 acyl coenzyme A hydrolase domains.,tissue specificity: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.,
<b>Background</b>	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. [provided by RefSeq, Nov 2010],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**