



ACO11 Polyclonal Antibody

Catalog No	YP-Ab-05276
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	ACOT11 BFIT KIAA0707 THEA
Immunogen	Synthesized peptide derived from human protein . at AA range: 290-370
Specificity	ACO11 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BFIT;Adipose-associated thioesterase;Acyl-coenzyme A thioesterase 11;Acyl-CoA thioesterase 11;Acyl-CoA thioester hydrolase 11;ACO11;ACOT11 BFIT KIAA0707 THEA;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)
Observed Band	68-70 kDa
Calculated Molecular Weight	68.4 kDa
Cell Pathway	Mitochondrion matrix . Cytoplasm .
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.
Function	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.,

**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. [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