



ACOT2 Monoclonal Antibody

Catalog No	YP-mAb-02470
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ACOT2
Immunogen	The antiserum was produced against synthesized peptide derived from human ACOT2. AA range:171-220
Specificity	ACOT2 Monoclonal Antibody detects endogenous levels of ACOT2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ACOT2;ACOT1;acyl CoA thioesterase 2;Acyl-CoA thioesterase 2;Acyl-coenzyme A thioester hydrolase 2a;Acyl-coenzyme A thioesterase 2 mitochondrial;PTE2;PTE2A;Acyl-coenzyme A thioesterase 2;mitochondrial;CTE-1a;Long-chain acyl-CoA thioesterase 2;ZAP128
Observed Band	53kD
Calculated Molecular Weight	53kD
Cell Pathway	Mitochondrion .
Tissue Specificity	Strongest expression in heart, liver, muscle and kidney. Weak in placenta and pancreas.
Function	catalytic activity:Palmitoyl-CoA + H(2)O = CoA + palmitate.,caution:Was originally (PubMed:10944470) thought to be peroxisomal but was later shown (PubMed:16940157) to be mitochondrial.,function:Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH. Displays high levels of activity on medium- and long chain acyl CoAs.,similarity:Belongs to the C/M/P thioester hydrolase family.,tissue specificity:Strongest expression in heart, liver, muscle



and kidney. Weak in placenta and pancreas.,

Background

This gene encodes a member of the acyl-CoA thioesterase protein family, and is one of four acyl-CoA hydrolase genes located in a cluster on chromosome 14. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2012],

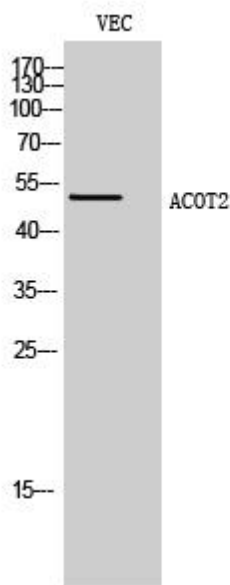
matters needing attention

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



Western Blot analysis of various cells using ACOT2 Monoclonal Antibody