



# ACOT2 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-02470
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB
<b>Gene Name</b>	ACOT2
<b>Protein Name</b>	Acyl-coenzyme A thioesterase 2 mitochondrial
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ACOT2. AA range:171-220
<b>Specificity</b>	ACOT2 Monoclonal Antibody detects endogenous levels of ACOT2 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ACOT2; PTE2; PTE2A; Acyl-coenzyme A thioesterase 2; mitochondrial; Acyl-CoA thioesterase 2; Acyl-coenzyme A thioester hydrolase 2a; CTE-1a; Long-chain acyl-CoA thioesterase 2; ZAP128
<b>Observed Band</b>	53kD
<b>Cell Pathway</b>	Mitochondrion .
<b>Tissue Specificity</b>	Strongest expression in heart, liver, muscle and kidney. Weak in placenta and pancreas.
<b>Function</b>	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.,
<b>Background</b>	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],

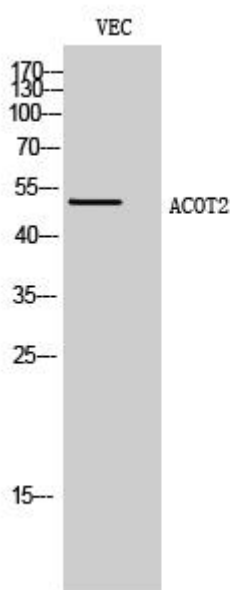
**matters needing attention**

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