

ACOT2 Rabbit pAb

CatalogNo: YT0087

Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat,Mouse,

Applications

- WB,IHC,IF,ELISA

MW

- 53kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

IF 1:200-1:1000

ELISA 1:40000

Not yet tested in other applications.

Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human ACOT2.
AA range:171-220

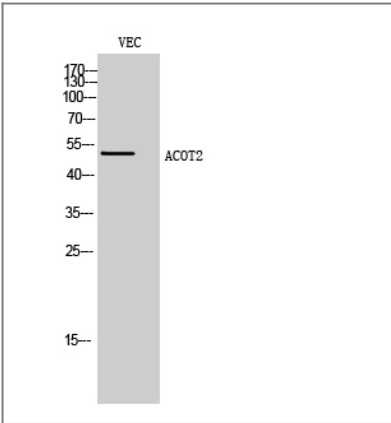
Specificity

ACOT2 Polyclonal Antibody detects endogenous levels of ACOT2 protein.

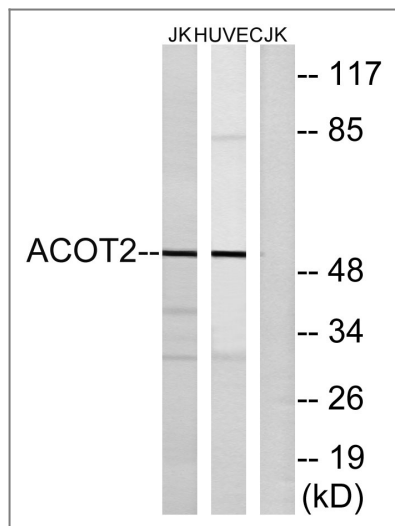
Target Information

Gene name	ACOT2		
Protein Name	Acyl-coenzyme A thioesterase 2 mitochondrial		
	Organism	Gene ID	UniProt ID
	Human	10965 ;	P49753 ;
	Mouse		Q9QYR9 ;
Cellular Localization	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.,		

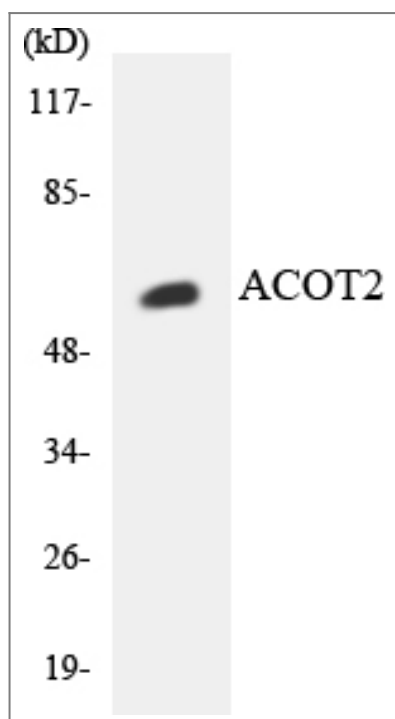
Validation Data



Western Blot analysis of VEC cells using ACOT2 Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from Jurkat and HUVEC cells, using ACOT2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using ACOT2 antibody.

Contact information

Orders: order@immunoway.com
 Support: tech@immunoway.com
 Telephone: 877-594-3616 (Toll Free), 408-747-0185
 Website: <http://www.immunoway.com>
 Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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