

ACOT2 Polyclonal Antibody
Catalog # AP68270**Specification**

ACOT2 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	P49753
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

ACOT2 Polyclonal Antibody - Additional Information**Gene ID** 10965**Other Names**

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

ACOT2 Polyclonal Antibody - Protein Information**Name** ACOT2**Synonyms** PTE2, PTE2A**Function**

Catalyzes the hydrolysis of acyl-CoAs into free fatty acids and coenzyme A (CoASH), regulating their respective intracellular levels (PubMed:10944470, PubMed:16940157). Displays higher activity toward long chain acyl CoAs (C14-C20) (PubMed:10944470, PubMed:16940157). The enzyme is involved in enhancing the hepatic fatty acid oxidation in mitochondria (By similarity).

Cellular Location

Mitochondrion.

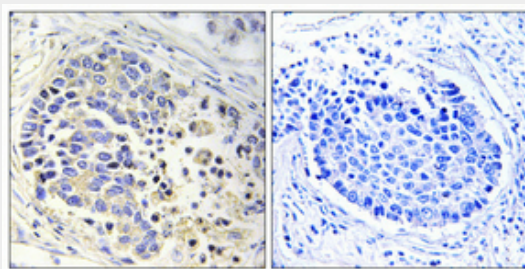
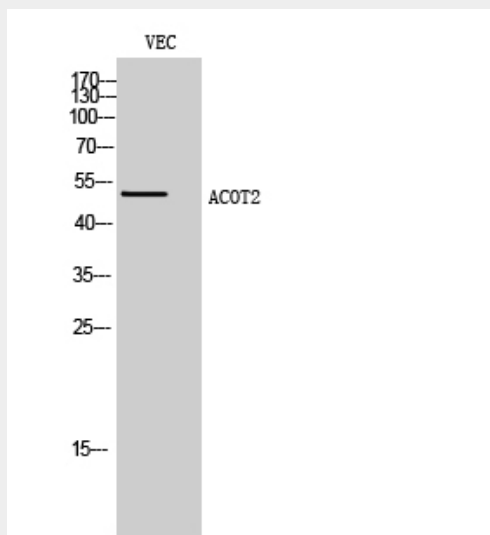
Tissue Location

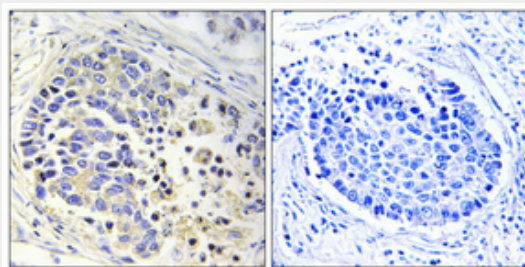
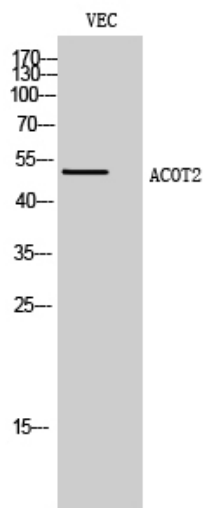
Strongest expression in heart, liver, muscle and kidney. Weak in placenta and pancreas.

ACOT2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ACOT2 Polyclonal Antibody - Images



ACOT2 Polyclonal Antibody - Background

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.