

**ACOT9 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18587c****Specification**

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**ACOT9 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9Y305</a>
Other Accession	<a href="#">NP_001028755.2</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	49902
Antigen Region	213-240

**ACOT9 Antibody (Center) - Additional Information****Gene ID** 23597**Other Names**

Acyl-coenzyme A thioesterase 9, mitochondrial, Acyl-CoA thioesterase 9, 312-, Acyl-CoA thioester hydrolase 9, ACOT9

**Target/Specificity**

This ACOT9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 213-240 amino acids from the Central region of human ACOT9.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ACOT9 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**ACOT9 Antibody (Center) - Protein Information****Name** ACOT9 ([HGNC:17152](#))

**Function** Mitochondrial acyl-CoA thioesterase. Catalyzes the hydrolysis of acyl-CoAs into free fatty acids and coenzyme A (CoA), regulating their respective intracellular levels. Regulates both mitochondrial lipid and amino acid metabolism.

#### Cellular Location

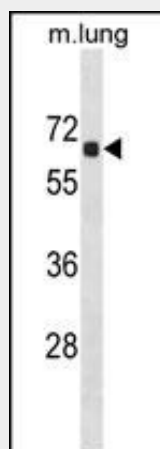
Mitochondrion {ECO:0000250|UniProtKB:Q9R0X4}. Mitochondrion matrix  
{ECO:0000250|UniProtKB:Q9R0X4}. Mitochondrion inner membrane  
{ECO:0000250|UniProtKB:Q9R0X4}

### ACOT9 Antibody (Center) - 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](#)

### ACOT9 Antibody (Center) - Images



ACOT9 Antibody (Center) (Cat. #AP18587c) western blot analysis in mouse lung tissue lysates (35ug/lane). This demonstrates the ACOT9 antibody detected the ACOT9 protein (arrow).

### ACOT9 Antibody (Center) - Background

The protein encoded by this gene is a mitochondrial acyl-CoA thioesterase of unknown function. Two transcript variants encoding different isoforms have been found for this gene.

### ACOT9 Antibody (Center) - References

Hunt, M.C., et al. J. Lipid Res. 46(9):2029-2032(2005)  
Poupon, V., et al. J. Biol. Chem. 274(27):19188-19194(1999)