

**ACAA1 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19909c**

**Specification**

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**ACAA1 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P09110</a>
Other Accession	<a href="#">NP_001598.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	44292
Antigen Region	147-176

**ACAA1 Antibody (Center) - Additional Information**

**Gene ID** 30

**Other Names**

3-ketoacyl-CoA thiolase, peroxisomal, Acetyl-CoA acyltransferase, Beta-ketothiolase, Peroxisomal 3-oxoacyl-CoA thiolase, ACAA1, ACAA, PTHIO

**Target/Specificity**

This ACAA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 147-176 amino acids from the Central region of human ACAA1.

**Dilution**

WB~~1:1000

**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**

ACAA1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**ACAA1 Antibody (Center) - Protein Information**

**Name** ACAA1 ([HGNC:82](#))

**Synonyms** ACAA, PTHIO

**Function** Responsible for the thiolytic cleavage of straight chain 3- keto fatty acyl-CoAs (3-oxoacyl-CoAs) (PubMed:[11734571](#), PubMed:[2882519](#)). Plays an important role in fatty acid peroxisomal beta-oxidation (PubMed:[11734571](#), PubMed:[2882519](#)). Catalyzes the cleavage of short, medium, long, and very long straight chain 3- oxoacyl-CoAs (PubMed:[11734571](#), PubMed:[2882519](#)).

**Cellular Location**

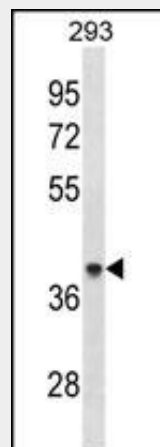
Peroxisome. Note=Transported into peroxisomes following association with PEX7.

**ACAA1 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](#)

**ACAA1 Antibody (Center) - Images**



ACAA1 Antibody (Center) (Cat. #AP19909c) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the ACAA1 antibody detected the ACAA1 protein (arrow).

**ACAA1 Antibody (Center) - Background**

This gene encodes an enzyme operative in the beta-oxidation system of the peroxisomes. Deficiency of this enzyme leads to pseudo-Zellweger syndrome. Alternative splicing results in multiple transcript variants.

**ACAA1 Antibody (Center) - References**

- Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)  
Han, S., et al. Hum. Immunol. 71(7):727-730(2010)  
Rajaraman, P., et al. Cancer Epidemiol. Biomarkers Prev. 19(5):1356-1361(2010)  
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)

Rajaraman, P., et al. Cancer Epidemiol. Biomarkers Prev. 18(5):1651-1658(2009)