

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

ACAA1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P09110
Other Accession	NP_001598.1
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:[2882519](#), PubMed:[11734571](#)). Plays an important role in fatty acid peroxisomal beta-oxidation (PubMed:[2882519](#), PubMed:[11734571](#)). Catalyzes the cleavage of short, medium, long, and very long straight chain 3- oxoacyl-CoAs (PubMed:[2882519](#), PubMed:[11734571](#)).

Cellular Location

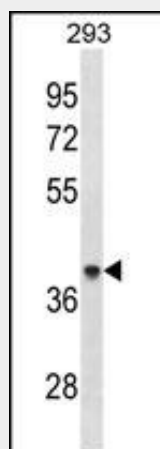
Peroxisome. Note=Transported into peroxisomes following association with PEX7.

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)