

ACAA1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10392**Specification**

ACAA1 Antibody - Product Information

Application	WB
Primary Accession	O921H8
Other Accession	AAH12400.1
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	43953

ACAA1 Antibody - Additional Information**Gene ID** 113868

Positive Control	Jurkat cell lysate and rat kidney tissue lysate
Application & Usage	Western Blot analysis (1-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide is available separately.

Other Names

Acetyl-CoA acyltransferase A, Beta-ketothiolase A,

Target/Specificity

ACAA1

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-ACAA1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

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

ACAA1 Antibody - Protein Information

Name Acaa1a {ECO:0000312|MGI:MGI:2148491}

Synonyms Acaa1

Function

Responsible for the thiolytic cleavage of straight chain 3- keto fatty acyl-CoAs (3-oxoacyl-CoAs) (Probable). Plays an important role in fatty acid peroxisomal beta-oxidation (Probable). Catalyzes the cleavage of short, medium, long, and very long straight chain 3- oxoacyl-CoAs (By similarity).

Cellular Location

Peroxisome {ECO:0000250|UniProtKB:P09110}. Note=Transported into peroxisomes following association with PEX7 {ECO:0000250|UniProtKB:P09110}

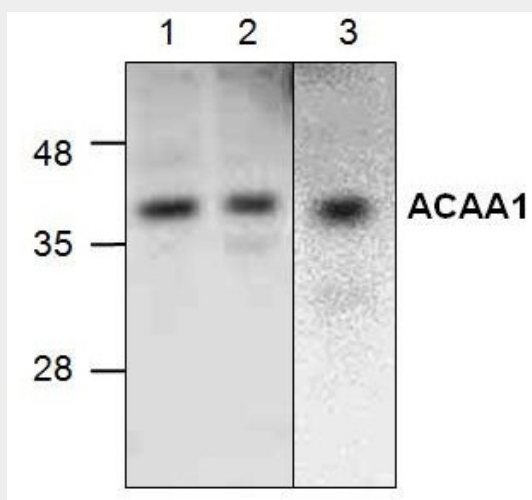
Tissue Location

Mainly expressed in liver and intestine.

ACAA1 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](#)

ACAA1 Antibody - Images

Western blot analysis of ACAA1 using Jurkat cell lysate (Lane 1& 2) and rat kidney tissue lysate (Lane 3).

ACAA1 Antibody - Background

ACAA1 (acetylCoenzyme A acyltransferase 1), catalyzes the conversion of acyl-CoA and acetyl-CoA to 3-oxoacyl-CoA in the fatty acid oxidation pathway. Deficiency of this enzyme can lead to pseudo-Zellweger syndrome.