10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

ACAA1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10392

Specification

ACAA1 Antibody - Product Information

Application	**WB**
Primary Accession	Q921H8
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}

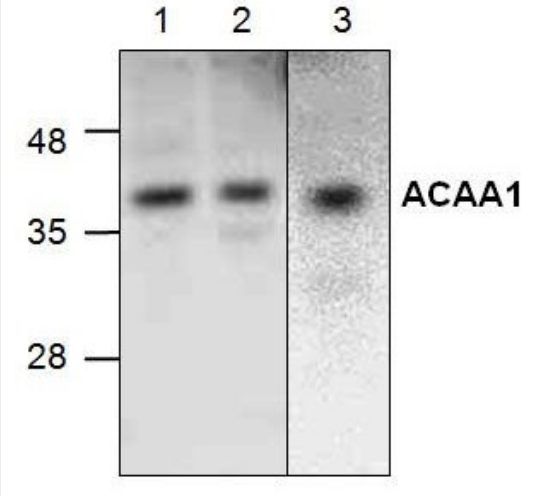
Tissue Location
Mainly expressed in liver and intestine.

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 Cytomety
- Cell Culture

ACAA1 Antibody - Images



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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.