

Datasheet for ABIN1714588
anti-ACAA1 antibody (AA 231-330)



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	ACAA1
Binding Specificity:	AA 231-330
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACAA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ABLIM3
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Sheep, Pig, Horse
Purification:	Purified by Protein A.

Target Details

Target:	ACAA1
Alternative Name:	ACAA1 (ACAA1 Products)

Target Details

Background: Synonyms: 3 ketoacyl CoA thiolase peroxisomal, 3-ketoacyl-CoA thiolase, ACAA, ACAA1, Acetyl CoA acyltransferase 1, Acetyl Coenzyme A acyltransferase 1, Acetyl-CoA acyltransferase, Acetyl-Coenzyme A acyltransferase 1 peroxisomal 3 oxoacyl Coenzyme A, Beta ketothiolase, Beta-ketothiolase, Peroxisomal 3 oxoacyl CoA thiolase, Peroxisomal 3 oxoacyl Coenzyme A thiolase, Peroxisomal 3-oxoacyl-CoA thiolase, peroxisomal, PTHIO, THIK_HUMAN, THIO.

Background: ACAA1 is a 424 amino acid member of the thiolase family of enzymes and is involved in lipid metabolism. Localized to the peroxisome, ACAA1 catalyzes the conversion of acyl-CoA and acetyl-CoA to 3-oxoacyl-CoA in the fatty acid oxidation pathway. ACAA1 shows high enzymatic activity in liver, kidney, intestine and white adipose tissue in rats, where it exists as two types, namely type A and type B. Human ACAA1 shares 86 % amino acid identity with its rat counterpart, suggesting a conserved function for ACAA1 among different species.

Gene ID: 30

Pathways: [Monocarboxylic Acid Catabolic Process](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months