



Rabbit Anti-ACAA1 antibody

SL12566R

Product Name:	ACAA1
Chinese Name:	乙酰辅酶A酰基转移酶1抗体
Alias:	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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	41kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ABLIM3:231-330/424
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

Subunit:

Homodimer.

Subcellular Location:

Peroxisome.

Tissue Specificity:

Similarity:

Belongs to the thiolase family.

SWISS:

P09110

Gene ID:

30

Database links:

[Entrez Gene: 30](#)Human

[Entrez Gene: 113868](#)Mouse

[Entrez Gene: 24157](#)Rat

[Omim: 604054](#)Human

[SwissProt: P09110](#)Human

[SwissProt: Q921H8](#)Mouse

[SwissProt: P07871](#)Rat

[SwissProt: P21775](#)Rat

[Unigene: 643487](#)Human

[Unigene: 205266](#)Mouse

[Unigene: 154995](#)Rat

	<p>Important Note:</p>
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This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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