



Datasheet for ABIN1536835

anti-Acetyl-CoA Carboxylase alpha antibody (C-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	400 µL
Target:	Acetyl-CoA Carboxylase alpha (ACACA)
Binding Specificity:	AA 2010-2039, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Acetyl-CoA Carboxylase alpha antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This ACACA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2010-2039 amino acids from the C-terminal region of human ACACA.
Clone:	RB37458
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Rat, Sh
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Acetyl-CoA Carboxylase alpha (ACACA)
Alternative Name:	ACACA (ACACA Products)

Target Details

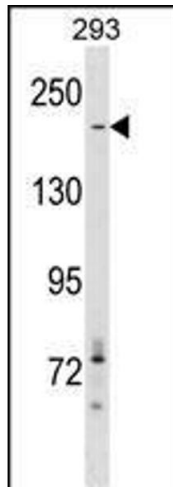
Background:	Acetyl-CoA carboxylase (ACC) is a complex multifunctional enzyme system. ACC is a biotin-containing enzyme which catalyzes the carboxylation of acetyl-CoA to malonyl-CoA, the rate-limiting step in fatty acid synthesis. There are two ACC forms, alpha and beta, encoded by two different genes. ACC-alpha is highly enriched in lipogenic tissues. The enzyme is under long term control at the transcriptional and translational levels and under short term regulation by the phosphorylation/dephosphorylation of targeted serine residues and by allosteric transformation by citrate or palmitoyl-CoA. Multiple alternatively spliced transcript variants divergent in the 5' sequence and encoding distinct isoforms have been found for this gene.
Molecular Weight:	265554
Gene ID:	31
NCBI Accession:	NP_942131 , NP_942133 , NP_942134 , NP_942135 , NP_942136
UniProt:	Q13085
Pathways:	AMPK Signaling , Ribonucleoside Biosynthetic Process , Warburg Effect

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	ACACA Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months



Western Blotting

Image 1. ACACA Antibody (C-term) (ABIN1536835 and ABIN2848784) western blot analysis in 293 cell line lysates (35 µg/lane). This demonstrates the ACACA antibody detected the ACACA protein (arrow).