

Datasheet for ABIN7138351

anti-Acetyl-CoA Carboxylase alpha antibody (AA 78-82)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	Acetyl-CoA Carboxylase alpha (ACACA)
Binding Specificity:	AA 78-82
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Acetyl-CoA Carboxylase alpha antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide sequence around aa.78-82(S-M-S-G-L) derived from Human Acetyl CoA Carboxylase.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

Target Details

Target:	Acetyl-CoA Carboxylase alpha (ACACA)
Alternative Name:	ACACA (ACACA Products)
Background:	Background: Catalyzes the rate-limiting reaction in the biogenesis of long-chain fatty acids.

Target Details

Carries out three functions: biotin carboxyl carrier protein, biotin carboxylase and carboxyltransferase.

Colbert C.L., Kim C.W., Moon Y.A., Henry L. Proc. Natl. Acad. Sci. U.S.A. 107:18820-18825(2010)

Moreau K., Dizin E., Ray H., Luquain C., Lefai E. J. Biol. Chem. 281:3172-3181(2006)

Aliases: ACAC antibody, ACACA antibody, ACACA_HUMAN antibody, ACACB antibody, ACC alpha antibody, ACC antibody, ACC beta antibody, ACC-alpha antibody, ACC1 antibody, ACC2 antibody, ACCA antibody, ACCB antibody, Acetyl CoA carboxylase 1 antibody, Acetyl CoA carboxylase 2 antibody, Acetyl CoA carboxylase alpha antibody, Acetyl CoA carboxylase beta antibody, Acetyl Coenzyme A carboxylase alpha antibody, Acetyl Coenzyme A carboxylase beta antibody, Biotin carboxylase antibody, COA1 antibody, COA2 antibody, HACC275 antibody, OTTHUMP00000164069 antibody, OTTHUMP00000164070 antibody, OTTHUMP00000164076 antibody, OTTHUMP00000240532 antibody

UniProt: [Q13085](#)

Pathways: [AMPK Signaling](#), [Ribonucleoside Biosynthetic Process](#), [Warburg Effect](#)

Application Details

Application Notes: WB:1:500-1:1000,

Restrictions: For Research Use only

Handling

Format: Liquid

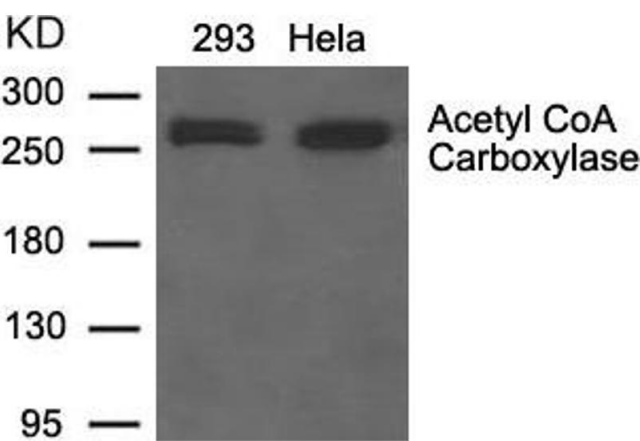
Buffer: Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western blot analysis of extracts from 293 and HeLa cells using Acetyl CoA Carboxylase Antibody.