

Anti-Acetyl Coenzyme A Carboxylase Rabbit Monoclonal Antibody
Catalog # ABO16735**Specification****Anti-Acetyl Coenzyme A Carboxylase Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC
Primary Accession	Q13085
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

Description

Anti-Acetyl Coenzyme A Carboxylase Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human.

Anti-Acetyl Coenzyme A Carboxylase Rabbit Monoclonal Antibody - Additional Information

Gene ID 31

Other Names

Acetyl-CoA carboxylase 1, ACC1, 6.4.1.2, Acetyl-Coenzyme A carboxylase alpha, ACC-alpha, ACACA ([HGNC:84](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=84)), ACAC, ACC1, ACCA

Application Details

WB 1:500-1:2000
IHC 1:50-1:200
ICC/IF 1:50-1:200

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human Acetyl Coenzyme A Carboxylase

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-Acetyl Coenzyme A Carboxylase Rabbit Monoclonal Antibody - Protein Information

Name ACACA ([HGNC:84](#))

Synonyms ACAC, ACC1, ACCA

Function

Cytosolic enzyme that catalyzes the carboxylation of acetyl- CoA to malonyl-CoA, the first and rate-limiting step of de novo fatty acid biosynthesis (PubMed:20457939, PubMed:20952656, PubMed:29899443). This is a 2 steps reaction starting with the ATP-dependent carboxylation of the biotin carried by the biotin carboxyl carrier (BCC) domain followed by the transfer of the carboxyl group from carboxylated biotin to acetyl-CoA (PubMed:20457939, PubMed:20952656, PubMed:29899443).

Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q5SWU9}

Tissue Location

Expressed in brain, placenta, skeletal muscle, renal, pancreatic and adipose tissues; expressed at low level in pulmonary tissue; not detected in the liver

Anti-Acetyl Coenzyme A Carboxylase Rabbit Monoclonal 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 Cytometry](#)
- [Cell Culture](#)

Anti-Acetyl Coenzyme A Carboxylase Rabbit Monoclonal Antibody - Images