

A25224

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ACAC1 Rabbit pAb

Catalog No.: A25224

Basic Information

Observed MW

Refer to figures

Calculated MW

266kDa

Category

Polyclonal Antibody

Applications

IHC-P,ELISA

Cross-Reactivity

Human,Mouse,Rat

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.

Recommended Dilutions

IHC-P 1:50 - 1:200

Immunogen Information

Gene ID

31

Swiss Prot

Q13085

Immunogen

Recombinant Protein corresponding to a sequence within amino acids 1-75 of human ACAC1 (NP_942133.1).

Synonyms

ACC; ACAC; ACC1; ACCA; Acac1; hACC1; ACACAD; ACCalpha; ACACalpha; acetyl-ACC1

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

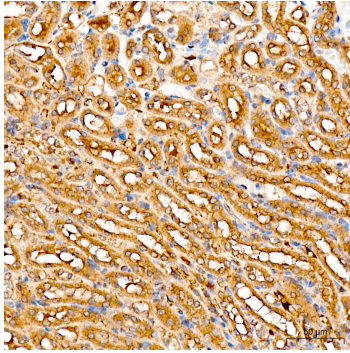
Affinity purification

Storage

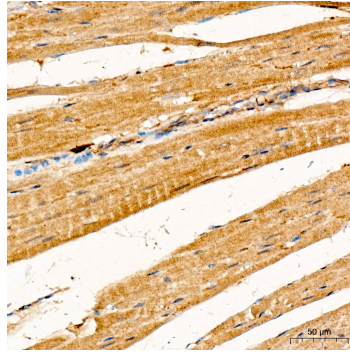
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Validation Data



Immunohistochemistry analysis of ACAC1 in paraffin-embedded mouse kidney tissue using ACAC1 Rabbit pAb (A25224) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of ACAC1 in paraffin-embedded rat heart tissue using ACAC1 Rabbit pAb (A25224) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.