# **ACAC1** Rabbit pAb

Catalog No.: A25224



# **Basic Information**

#### **Observed MW**

Refer to figures

#### **Calculated MW**

266kDa

#### Category

Primary 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

**ELISA** 

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

# Immunogen Information

Gene ID

Swiss Prot Q13085

**Immunogen**Recombinant protein (or fragment). This information is considered to be commercially sensitive.

# **Synonyms**

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

# **Contact**

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# **Product Information**

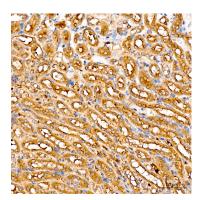
SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

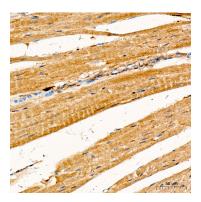
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

# **Validation Data**



Immunohistochemistry analysis of paraffinembedded 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 paraffinembedded 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.