



## Acetyl Coenzyme A carboxylase alpha Recombinant Rabbit mAb

Catalog: BS49555

Host: Rabbit

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. [provided by RefSeq, Jul 2008]

### Product:

Store at -20 °C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

### Molecular Weight:

277 kDa

### Swiss-Prot:

O00763, Q5SWU9, P11497

### Purification&Purity:

Affinity Purification

### Applications:

WB: 1:1000-1:2000&lt;br /&gt;IHC: 1:200-1:500&lt;br /&gt;ICC/IF: 1:50&lt;br /&gt;FC: 1:200-1:500&lt;br /&gt;IP: 1:20

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Isotype:

IgG

### DATA:

### Note:

For research use only, not for use in diagnostic procedure.

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