

# Acetyl Coenzyme A Carboxylase alpha (Phospho-Ser80) Antibody FITC Conjugated

Catalog No: #C02221F

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## Description

Product Name	Acetyl Coenzyme A Carboxylase alpha (Phospho-Ser80) Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic phosphopeptide derived from human Acetyl Coenzyme A Carboxylase alpha around the phosphorylation site of Ser80
Conjugates	FITC
Target Name	Acetyl Coenzyme A Carboxylase alpha Ser80
Other Names	Acetyl Coenzyme A Carboxylase alpha phospho S80; p-Acetyl Coenzyme A Carboxylase alpha phospho S80; ACAC; ACACA; ACACA; ACACA_HUMAN; ACC alpha; ACC; ACC-alpha; ACC1; ACC1; ACCA; acetyl CoA carboxylase 1; acetyl Coenzyme A; Acetyl Coenzyme A; Biotin carboxylase; Acetyl-Coenzyme A Carboxylase alpha.
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

ICC=1:50-200 IF=1:50-200

## 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].

Note: This product is for in vitro research use only