

# Phospho ACACA (Ser79) Antibody

rev 12/19

**CATALOG NO.:** A1941-100 (100 µl)

**BACKGROUND DESCRIPTION:** 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.

**ALTERNATE NAMES:** ACACA; ACAC; ACACAD; ACC; ACC1; ACCA; acetyl-CoA carboxylase 1

**ANTIBODY TYPE:** Polyclonal

**HOST/ISOTYPE:** Rabbit / IgG

**IMMUNOGEN:** A phospho specific peptide corresponding to residues surrounding Ser79 of human ACACA

**MOLECULAR WEIGHT:** 266 kDa

**PURIFICATION:** Affinity purified

**FORM:** Liquid

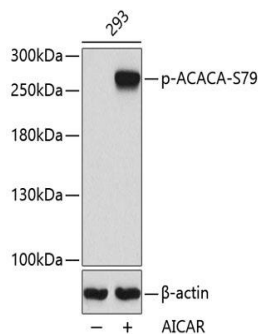
**FORMULATION:** In PBS with 0.02% sodium azide, 50% glycerol, pH7.3

**SPECIES REACTIVITY:** Human, Mouse, Rat

**STORAGE CONDITIONS:** Store at -20°C. Avoid freeze / thaw cycles

**APPLICATIONS AND USAGE:** WB 1:500 - 1:2000

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user



## RELATED PRODUCTS:

FABP3 Antibody (5503)  
 PPAR-alpha Antibody (3585)  
 FABP7 Antibody (5507)  
 Phospho-AMPKα1 (Ser496) Antibody (A1247)

**FOR RESEARCH USE ONLY! Not to be used on humans.**