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# Phospho-Acetyl CoA Carboxylase-S79 Rabbit mAb

**Catalog No.: AP1388** Recombinant

## Basic Information

**Observed MW**
268kDa

**Calculated MW**
265kDa

**Category**
Primary antibody

**Applications**
WB,ELISA

**Cross-Reactivity**
Human, Mouse

**CloneNo number**
ARC56611

## 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

| | |
|---|---|
| **WB** | 1:1000 - 1:8000 |
| **ELISA** | Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. |

## Immunogen Information

**Gene ID**
31/32

**Swiss Prot**
Q13085/O00763

**Immunogen**
Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**
ACC; ACAC; ACC1; ACCA; Acac1; hACC1; ACACAD; ACCalpha; ACACalpha; Phospho-Acetyl CoA Carboxylase-S79

## Contact


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## Product Information

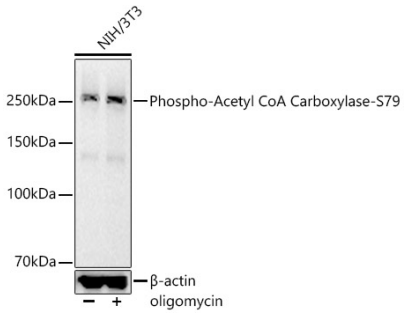
**Source**
Rabbit

**Isotype**
IgG

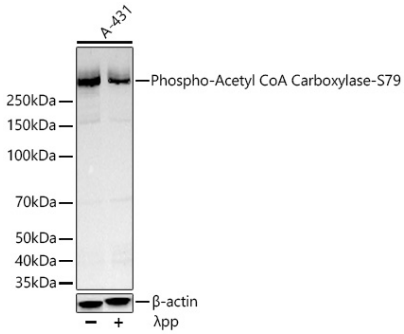
**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

## Validation Data




Western blot analysis of lysates from NIH/3T3 cells, using Phospho-Acetyl CoA Carboxylase-S79 Rabbit mAb (AP1388) at 1:7000 dilution. NIH/3T3 cells were treated with oligomycin (0. 5 uM) at 37℃ for 30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.




Western blot analysis of lysates from A-431 cells using Phospho-Acetyl CoA Carboxylase-S79 Rabbit mAb (AP1388) at 1:1000 dilution incubated at room temperature for 1.5 hours. A-431 cells were treated with λPP mixed solution (1µL) at 30℃ for 30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3 % nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.