# Anti-Phospho-Acetyl CoA Carboxylase (Ser79) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P109016

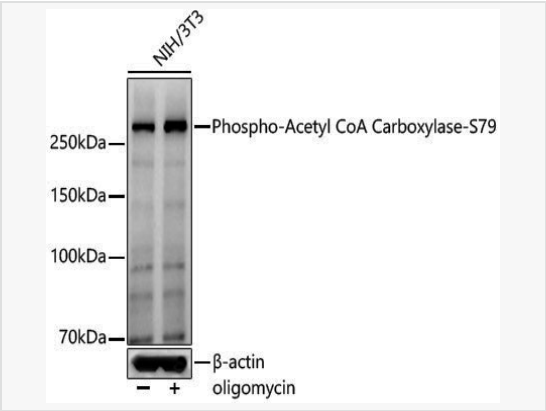
## Product Information

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| Application | WB, ELISA |
| Reactivity | Mouse |
| Dilution | WB 1:500~1:2000 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | A synthetic phosphorylated peptide around S79 of human Acetyl CoA Carboxylase. |
| Format | Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3. |
| Storage | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-Phospho-Acetyl CoA Carboxylase (Ser79) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| Synonyms | ACC; ACAC; ACC1; ACCA; Acac1; hACC1; ACACAD; ACCalpha; ACACalpha; Phospho-Acetyl CoA Carboxylase-S79. |
| Calculated MW | Calculated MW: 265 kDa; Observed MW: 280 kDa |
| Uniprot ID | Q13085, O00763 |
| Gene ID | 31, 32 |
| 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. |

## Validation Images




Western blot analysis of lysates from NIH/3T3 cells, using Phospho-Acetyl CoA Carboxylase-S79 Rabbit PAb (P109016) at 1:1,000 dilution. NIH/3T3 cells were treated by oligomycin (0. 5 uM) at 37°C for 30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit.
Exposure time: 180s.