# **ABclonal** www.abclonal.com

## Phospho-Acetyl CoA Carboxylase-S79 Rabbit pAb

Catalog No.: AP1410

## **Basic Information**

#### **Observed MW**

280kDa

#### **Calculated MW**

265kDa

#### Category

Primary antibody

### **Applications**

WB,ELISA

#### **Cross-Reactivity**

Mouse

## **Background**

Acetyl-CoA carboxylase (ACC) is a complex multifunctional enzyme system. ACC is a biotincontaining enzyme which catalyzes the carboxylation of acetyl-CoA to malonyl-CoA, the ratelimiting 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** 1:500 - 1:2000

**ELISA** 

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## **Immunogen Information**

**Gene ID Swiss Prot** 31/32 Q13085/000763

#### **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**

| <b>a</b>  |   | 400-999-6126              |
|-----------|---|---------------------------|
| $\bowtie$ |   | cn.market@abclonal.com.cn |
| $\odot$   | Т | www.abclonal.com.cn       |

## **Product Information**

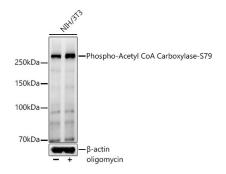
Source Isotype **Purification** Rabbit Affinity purification IgG

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## **Validation Data**



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-Acetyl CoA Carboxylase-S79 Rabbit PAb (AP1410) at 1:1000 dilution. NIH/3T3 cells were treated with oligomycin (0. 5 uM) at  $37^{\circ}$ C 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 Enhanced Kit (RM00021).

Exposure time: 180s.