Anti-Phospho-Acetyl Coenzyme A Carboxylase (Ser79) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108396

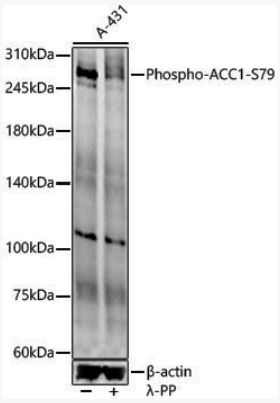
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around S79 of human ACC1 (NP_942133.1).
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 Coenzyme A Carboxylase (Ser79) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

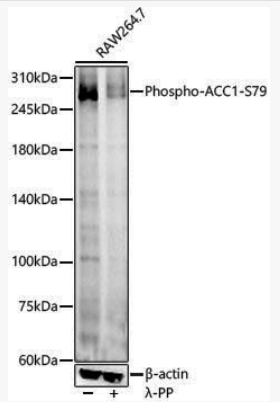
Protein Information

Synonyms	ACC; ACC1; ACAC; ACC1; ACCA; Acac1; hACC1; ACACAD; ACCalpha; ACACalpha; Phospho-ACC1-S79.
Calculated MW	Calculated MW: 266 kDa; Observed MW: 280 kDa
Uniprot ID	Q13085
Gene ID	31
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 A-431 cells, using Phospho-ACC1-S79 Rabbit pAb (P108396) at 1:700 dilution. A-431 cells were treated by λ-PP mixed solution (1ul) at 30°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 (SQ201).
Exposure time: 90s.



Western blot analysis of lysates from RAW264.7 cells, using Phospho-ACC1-S79 Rabbit pAb (P108396) at 1:700 dilution. RAW264. 7 cells were treated by λ-PP mixed solution (1ul) at 30°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 (SQ201).
Exposure time: 90s.