

Phospho-Acetyl Coenzyme A Carboxylase (Ser79) Rabbit mAb
Catalog # AP75026**Specification****Phospho-Acetyl Coenzyme A Carboxylase (Ser79) Rabbit mAb - Product Information**

Application	WB
Primary Accession	Q13085
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	265554

Phospho-Acetyl Coenzyme A Carboxylase (Ser79) Rabbit mAb - Additional Information**Gene ID** 31**Other Names**

ACACA

Dilution

WB~~1/500-1/1000

Format

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Phospho-Acetyl Coenzyme A Carboxylase (Ser79) Rabbit mAb - Protein Information**Name** ACACA ([HGNC:84](#))**Synonyms** ACAC, ACC1, ACCA**Function**

Cytosolic enzyme that catalyzes the carboxylation of acetyl- CoA to malonyl-CoA, the first and rate-limiting step of de novo fatty acid biosynthesis (PubMed:20457939, PubMed:20952656, PubMed:29899443). This is a 2 steps reaction starting with the ATP-dependent carboxylation of the biotin carried by the biotin carboxyl carrier (BCC) domain followed by the transfer of the carboxyl group from carboxylated biotin to acetyl-CoA (PubMed:20457939, PubMed:20952656, PubMed:29899443).

Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q5SWU9}

Tissue Location

Expressed in brain, placenta, skeletal muscle, renal, pancreatic and adipose tissues; expressed at low level in pulmonary tissue; not detected in the liver

Phospho-Acetyl Coenzyme A Carboxylase (Ser79) Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Phospho-Acetyl Coenzyme A Carboxylase (Ser79) Rabbit mAb - Images

