

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

Catalog # AP75026

## Product Information

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Application	WB
Primary Accession	<a href="#">Q13085</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	265554

## Additional Information

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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.

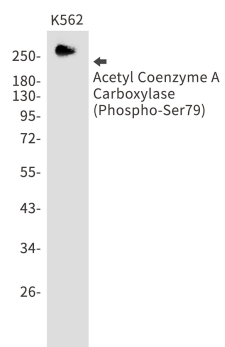
## Protein Information

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Name	ACACA ( <a href="#">HGNC:84</a> )
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: <a href="#">20457939</a> , PubMed: <a href="#">20952656</a> , PubMed: <a href="#">29899443</a> ). 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: <a href="#">20457939</a> , PubMed: <a href="#">20952656</a> , PubMed: <a href="#">29899443</a> ).
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

## Images

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