

Phospho-Acetyl Coenzyme A Carboxylase (Ser79) Rabbit mAb

Catalog # AP75026

Product Information

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

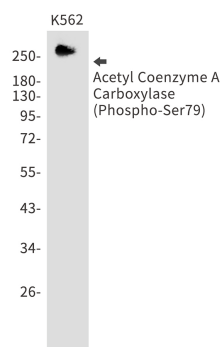
Additional Information

Gene ID	31
Other Names	ACACA
Dilution	WB~~1/500-1/1000
Format	Liquid

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

Images



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