Recombinant DGRmAb®

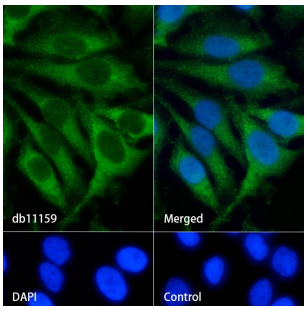
Acetyl Coenzyme A carboxylase alpha (DGR33624) Rabbit mAb (PBS Only)

db11159-PBS **Package : 100μg**

Product Name : Acetyl Coenzyme A carboxylase alpha (DGR33624) Rabbit mAb (PBS Only)
Cat.No.: db11159-PBS
Synonyms : ACC; ACAC; ACC1; ACCA; ACACAD
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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. [provided by RefSeq, Jul 2008]
Immunogen	Recombinant protein of human Acetyl Coenzyme A carboxylase alpha
Gene ID	31, 107476, 60581
Swiss Prot	Q13085, Q5SWU9, P11497
Synonyms	ACC; ACAC; ACC1; ACCA; ACACAD
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC, IP
Calculated MW	277 kDa
Observed MW	277 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR33624
Isotype	IgG

Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Immunofluorescence analysis of HeLa cells labelling Acetyl Coenzyme A carboxylase alpha with db11159.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db11159 (1:50) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.