

Recombinant

DGRmAb®

Acetyl Coenzyme A Carboxylase (DGR20960) Rabbit mAb

db14523

Package : 10µL 20µL 50µL 100µL

Product Name : Acetyl Coenzyme A Carboxylase (DGR20960) Rabbit mAb**Cat.No.:** db14523**Synonyms** : ACC; ACAC; ACC1; ACCA; ACACAD**Application** : WB, IHC-P, ICC/IF, FC**Reactivity** : Human**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

A synthetic peptide of human Acetyl Coenzyme A Carboxylase

Gene ID

31

Swiss Prot

O00763

Synonyms

ACC; ACAC; ACC1; ACCA; ACACAD

Reactivity

Human

Application

WB, IHC-P, ICC/IF, FC

Recommended dilution

WB: 1:1000-1:5000

IHC-P: 1:200-1:500

ICC/IF: 1:100-1:200

FC: 1:100-1:500

Calculated MW

277 kDa

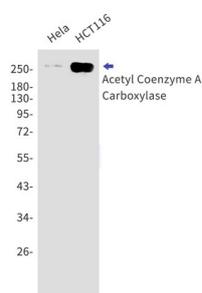
Observed MW

277 kDa

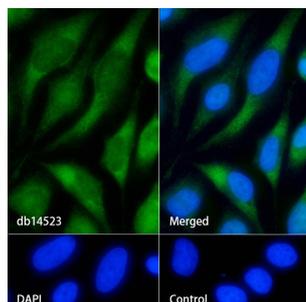
Host species

Rabbit

Clonality	Monoclonal
Clonality No.	DGR20960
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of Acetyl Coenzyme A Carboxylase in HeLa, HCT116 cell lysates using Acetyl Coenzyme A Carboxylase antibody (1:1000 diluted).



Immunofluorescence analysis of HeLa cells labelling Acetyl Coenzyme A Carboxylase with db14523.

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 incubated with db14523 (1:100) at room temperature 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.