

ACC alpha polyclonal antibody

Catalog: BS67437

Host: Rabbit

Reactivity: Human, Mouse, Rat, Bovine,
Chicken, Sheep

Background:

Acetyl-CoA carboxylase (ACC) catalyzes the carboxylation of acetyl-CoA to malonyl-CoA. It is the key enzyme in the biosynthesis and oxidation of fatty acids. In rodents, the 265 kDa ACC1 (ACC α) form is primarily expressed in lipogenic tissues, while 280 kDa ACC2 (ACC β) is the main isoform in oxidative tissues. However, in humans, ACC2 is the predominant isoform in both lipogenic and oxidative tissues. Phosphorylation by AMPK at Ser79 or by PKA at Ser1200 inhibits the enzymatic activity of ACC. ACC is a potential target of anti-obesity drugs.

Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 280 kDa

Swiss-Prot:

Q13085

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200)

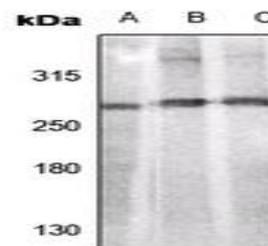
Storage&Stability:

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

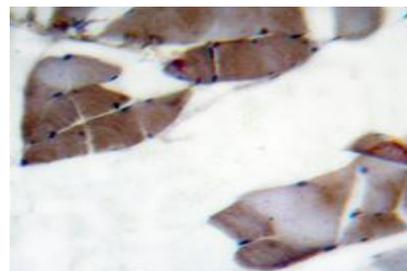
Specificity:

Recognizes endogenous levels of ACC alpha protein.

DATA:



Western blot analysis of ACC alpha expression in PC12 (A), HEK293T (B), HCT116 (C) whole cell lysates.



Immunohistochemical analysis of ACC alpha staining in human skeletal muscle formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

For research use only, not for use in diagnostic procedure.

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