bs-3039R

[Primary Antibody]

phospho-ACACA (Ser79) Rabbit pAb



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- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 107476 **SWISS:** Q5SWU9

Target: ACACA (Ser79)

Immunogen: KLH conjugated synthesised phosphopeptide derived from mouse

Acetyl Coenzyme A Carboxylase around the phosphorylation site of

Ser79: SM(p-S)GL.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

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].

Applications: IHC-P (1:100-500)

IHC-F (1:100-500) IF (1:100-500)

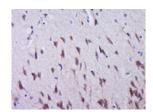
Reactivity: Rat (predicted: Human,

Mouse, Pig, Sheep, Cow, Dog, GuineaPig, Horse)

Predicted MW.: 266 kDa

Subcellular Cytoplasm

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (P-ACACA(Ser79)) Polyclonal Antibody, Unconjugated (bs-3039R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

- SELECTED CITATIONS -

- [IF=4.35] Songsong Jiang. et al. A Comparison Study on the Therapeutic Effect of High Protein Diets Based on Pork Protein versus Soybean Protein on Obese Mice. FOODS. 2022 Jan;11(9):1227 WB; Mouse. 35563950
- [IF=3.241] Sun W et al. Baicalein reduced hepatic fat accumulation by activating AMPK in oleic acid-induced HepG2 cells and high-fat diet-induced non-insulin resistant mice. Food Funct. 2020 Jan 7. WB; Mouse&Human. 31909773