

Phospho-ACC Alpha (S80) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-PHS00595
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human ACC1 around the phosphorylation site of Ser80. AA range:46-95
Mol wt	265554
Species reactivity	Human, mouse, rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	Phospho-ACCalpha (S80) Antibody
Synonyms	ACACA; ACAC; ACC1; ACCA; Acetyl-CoA carboxylase 1; ACC1; ACC-alpha

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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 ACACA.

Recommended Dilution

WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

ELISA: 1: 10000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for one year