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Datasheet for ABIN683203

anti-Acetyl-CoA Carboxylase antibody (pSer78)

Overview

Quantity:	100 µL
Target:	Acetyl-CoA Carboxylase
Binding Specificity:	pSer78
Reactivity:	Human, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Acetyl-CoA Carboxylase antibody is un-conjugated
Application:	Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human Acetyl Coenzyme A carboxylase alpha around the phosphorylation site of Ser78
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	Acetyl-CoA Carboxylase
Alternative Name:	Acetyl CoA Carboxylase (Acetyl-CoA Carboxylase Products)

Target Details

Background: Synonyms: Acetyl Coenzyme A Carboxylase alpha phospho S78, p-Acetyl Coenzyme A Carboxylase alpha phospho S78, ACAC, ACACA, ACACA, ACACA_HUMAN, ACC alpha, ACC, ACC-alpha, ACC1, ACC1, ACCA, acetyl CoA carboxylase 1, acetyl Coenzyme A, Acetyl Coenzyme A, Biotin carboxylase, Acetyl-Coenzyme A Carboxylase alpha.

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].

Molecular Weight: 266kDa

Gene ID: 32

Application Details

Application Notes: IHC-P (1:100-500),IF (p) (1:100-500)

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months