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Alternative Name:

anti-Acetyl-CoA Carboxylase beta antibody (pSer220)



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Overview	
Quantity:	100 μL
Target:	Acetyl-CoA Carboxylase beta (ACACB)
Binding Specificity:	pSer220
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Acetyl-CoA Carboxylase beta antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))
Product Details	
Immunogen:	KLH conjugated synthetic phosphopeptide derived from human Acetyl Coenzyme A Carboxylase beta around the phosphorylation site of Ser220
Isotype:	IgG
Predicted Reactivity:	Human
Purification:	Purified by Protein A.
Target Details	
Target:	Acetyl-CoA Carboxylase beta (ACACB)

Acetyl Coenzyme A Carboxylase beta (ACACB Products)

Target Details

Background:

Synonyms: Acetyl Coenzyme A Carboxylase beta phospho S220, Acetyl Coenzyme A
Carboxylase beta phospho Ser2210 p-Acetyl Coenzyme A Carboxylase beta phospho S220,
ACACB_HUMAN

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].

UniProt:

000763

Pathways:

AMPK Signaling, Ribonucleoside Biosynthetic Process

Application Details

Application Notes:

ELISA 1:500-1000

IHC-P 1:200-400

IHC-F 1:100-500

IF(IHC-P) 1:50-200

IF(IHC-F) 1:50-200

IF(ICC) 1:50-200

ICC 1:100-500

Restrictions:

For Research Use only

Handling

Format:

Liquid

Concentration:

 $1 \mu g/\mu L$

Buffer:

0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative:

ProClin

Precaution of Use:

This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months