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Datasheet for ABIN1703717

## anti-Acetyl-CoA Carboxylase beta antibody (pSer220) (Cy5)

### 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 conjugated to Cy5
Application:	Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

### 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)
Alternative Name:	Acetyl Coenzyme A Carboxylase beta ( <a href="#">ACACB Products</a> )

## Target Details

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**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].

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**UniProt:** [O00763](#)

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**Pathways:** [AMPK Signaling](#), [Ribonucleoside Biosynthetic Process](#)

## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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

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**Storage:** -20 °C

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**Storage Comment:** Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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## Handling

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Expiry Date: 12 months