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anti-Acetyl-CoA Carboxylase alpha antibody (pSer79)





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Quantity:	100 μL
Target:	Acetyl-CoA Carboxylase alpha (ACACA)
Binding Specificity:	pSer79
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Acetyl-CoA Carboxylase alpha antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human ACC1 around the phosphorylation site of Ser79.
Isotype:	IgG
Specificity:	Phospho-ACC1 (Ser79) Antibody detects endogenous levels of ACC1 only when phosphorylated at Ser80, which site historically referenced as Ser79.
Predicted Reactivity:	Pig,Zebrafish,Bovine,Horse,Sheep,Rabbit,Dog,Chicken
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

Target Details

Target: Acetyl-CoA Carboxylase alpha (ACACA)

Target Details

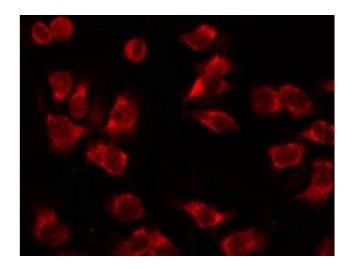
Alternative Name:	ACACA (ACACA Products)
Background:	Description: Catalyzes the rate-limiting reaction in the biogenesis of long-chain fatty acids. Carries out three functions: biotin carboxyl carrier protein, biotin carboxylase and carboxyltransferase. Gene: ACACA
Molecular Weight:	280kDa
Gene ID:	31
UniProt:	Q13085
Pathways:	AMPK Signaling, Ribonucleoside Biosynthetic Process, Warburg Effect

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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. Stable for 12 months from date of receipt.
Expiry Date:	12 months



kDa 1 2 250— 150— 100— 75— 50— 37— 25— 20— 15—

Immunofluorescence (fixed cells)

Image 1. ABIN6267630 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

Western Blotting

Image 2. Western blot analysis of ACC1 phosphorylation expression in Insulin treated K562 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.

Immunohistochemistry

Image 3. ABIN6267630 at 1/200 staining human liver cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

Please check the product details page for more images. Overall 4 images are available for ABIN6255513.