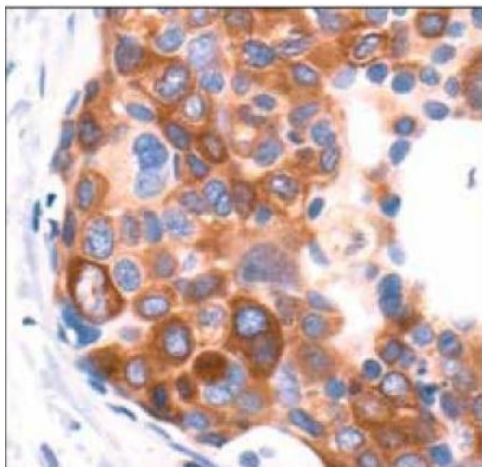
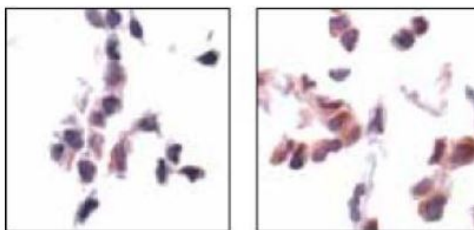


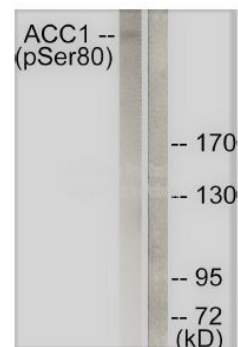
Product name:	Phospho-ACC α (S80)
Cat number:	ABP-0298
Conjugate:	Unconjugated
Size:	100 ug
Clone:	Poly
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived between 46-95 amino acids from the N-Terminal region of human ACC1 around the phosphorylation site of Ser80.
Reactivity:	Hu, Ms, Rt
Applications:	Western blotting 1:500-1:3000 Immunohistochemistry (Paraffin) 1:150-100 Elisa: 1:1000
Molecular Weight:	280 kDa
Purification:	Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser79 of rat ACC. Antibodies are purified by protein A and peptide affinity chromatography.
Form:	liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage:	Store at -20°C. Do not aliquot the antibody.
Background:	Acetyl-CoA carboxylase (ACC) catalyzes the pivotal step of the fatty acid synthesis pathway. The 265 kDa ACC β is the predominant isoform in liver, adipocytes and mammary gland, while the 280 kDa ACC α is the major isoform in skeletal muscle and heart (1). Phosphorylation by AMPK at Ser79, or by PKA at Ser1200, inhibits the enzymatic activity of ACC (2). ACC is a potential target of anti-obesity drugs (3,4). Phospho-Acetyl-CoA Carbox-ylase (Ser79) Antibody detects endogenous levels of ACC only when phosphorylated at serine 79.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma, showing cytoplasmic localization, using Phospho-Acetyl-CoA Carboxylase (Ser79) Antibody.



Immunohistochemical analysis of paraffin-embedded NIH/3T3 cells, untreated (left) or serum-starved (right), using Phospho-Acetyl-CoA Carboxylase (Ser79) Antibody.



Western blot analysis of extracts from K562 cells treated with Insulin 0.01U/ml 15', using Acetyl CoA Carboxylase (Phospho-Ser80) Antibody. The lane on the right is treated with the synthesized peptide.