





Anti-Acetyl Coenzyme A Carboxylase (phospho S79) antibody ab31931

2 References [画像数 2](#)

製品の概要

製品名	Anti-Acetyl Coenzyme A Carboxylase (phospho S79) antibody
製品の詳細	Rabbit polyclonal to Acetyl Coenzyme A Carboxylase (phospho S79)
由来種	Rabbit
アプリケーション	適用あり: WB
種交差性	交差種: Human 交差が予測される動物種: Sheep, Goat, Chicken, Cow 
免疫原	Synthetic peptide corresponding to Rat Acetyl Coenzyme A Carboxylase aa 50-150 (phospho S79) conjugated to keyhole limpet haemocyanin.  Run BLAST with  Run BLAST with 
ポジティブ・コントロール	RIPA lysates from mouse heart cytosol.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
バッファー	pH: 7.40 Preservative: 0.05% Sodium azide Constituents: 0.184% Tris glycine, 30% Glycerol, 0.87% Sodium chloride
精製度	Protein A purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab31931の使用に適用されます

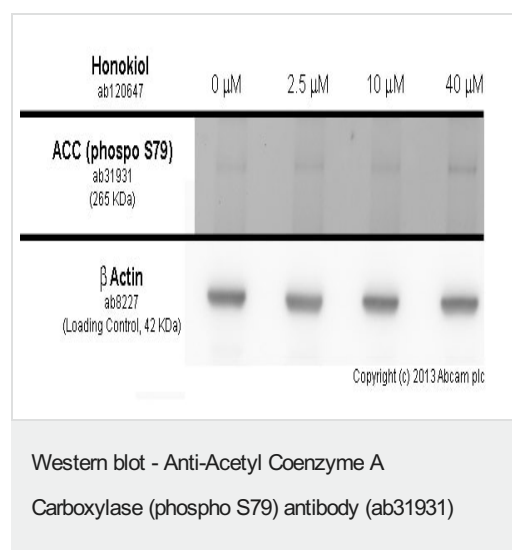
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 265 kDa. Pretreating the blot with lambda phosphatase abolished antibody binding.

ターゲット情報

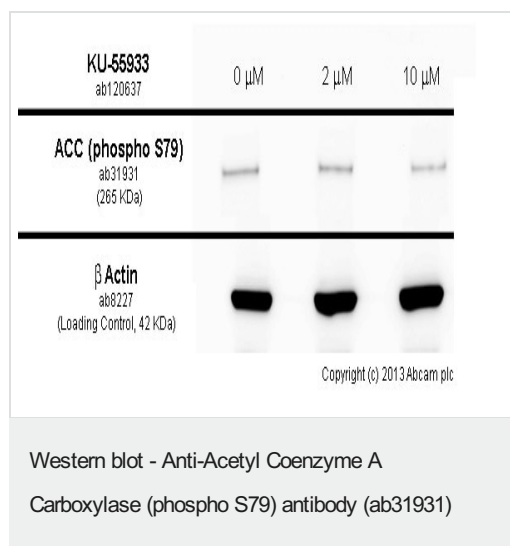
機能	Catalyzes the rate-limiting reaction in the biogenesis of long-chain fatty acids. Carries out three functions: biotin carboxyl carrier protein, biotin carboxylase and carboxyltransferase.
組織特異性	Expressed in brain, placental, skeletal muscle, renal, pancreatic and adipose tissues; expressed at low level in pulmonary tissue; not detected in the liver.
パスウェイ	Lipid metabolism; malonyl-CoA biosynthesis; malonyl-CoA from acetyl-CoA: step 1/1.
関連疾患	Acetyl-CoA carboxylase 1 deficiency
配列類似性	Contains 1 ATP-grasp domain. Contains 1 biotin carboxylation domain. Contains 1 biotinyl-binding domain. Contains 1 carboxyltransferase domain.
翻訳後修飾	Phosphorylation on Ser-1263 is required for interaction with BRCA1.
細胞内局在	Cytoplasm.

画像



MCF7 cells were incubated at 37°C for 6h with vehicle control (0 µM) and different concentrations of honokiol (**ab120647**). Increased expression of acetyl coenzyme A carboxylase (phospho S79) (ab31931) in MCF7 cells correlates with an increase in honokiol concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 10µg of each were loaded on the gel and the WB was run under reducing conditions. After transfer the membrane was blocked for an hour using 5% BSA before being incubated with ab31931 at 1 µg/ml and **ab8227** at 1 µg/ml overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP (**ab97051**) at 1/10000 dilution and visualised using ECL development solution.



HepG2 cells were incubated at 37°C for 60 minutes with vehicle control (0 μ M) and different concentrations of KU-55933 (**ab120637**). Decreased expression of Acetyl Coenzyme A Carboxylase (phospho S79) (ab31931) in HepG2 cells correlates with an increase in KU-55933 concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 10 μ g of each were loaded on the gel and the WB was run under reducing conditions. After transfer the membrane was blocked for an hour using 5% BSA before being incubated with ab31931 at 1 μ g/ml and **ab8227** at 1 μ g/ml overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP (**ab97051**) at 1/10000 dilution and visualised using ECL development solution.

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