9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

KD-Validated Anti-Acetyl-CoA acyltransfe rase 2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1304

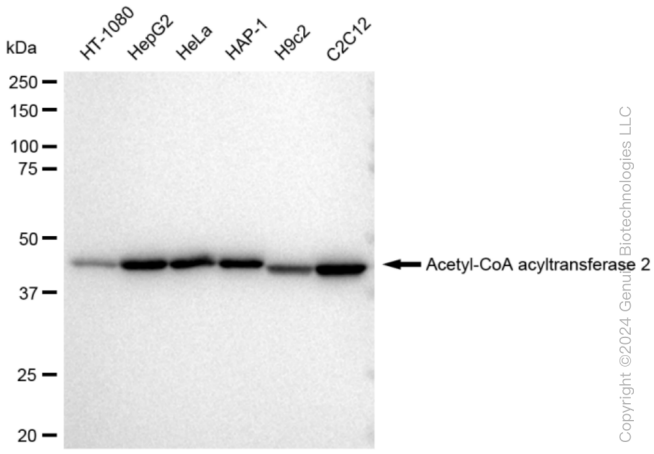
Product Overview

Name	KD-Validated Anti-Acetyl-CoA acyltransfe rase 2 Rabbit Monoclonal Antibody
Accession(Primary)	P42765
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human ACAA2
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 42 kDa , observed, 45 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000

Target information (P42765)

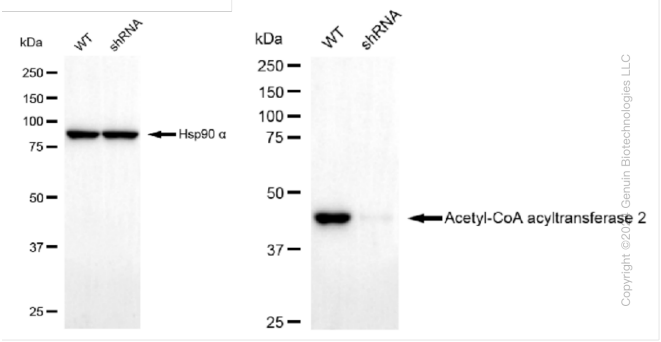
Gene Name	ACAA2
About Gene Symbol	ACAA2 (Acetyl-CoA Acyltransferase 2) is a mitochondrial acyltransferase enzyme involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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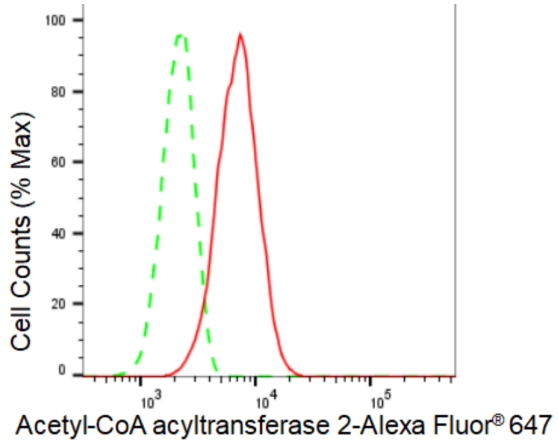
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Western blotting analysis using anti-Acetyl-CoA acyltransferase 2 antibody (Cat#ABG1304). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Acetyl-CoA acyltransferase 2 antibody (Cat#ABG1304, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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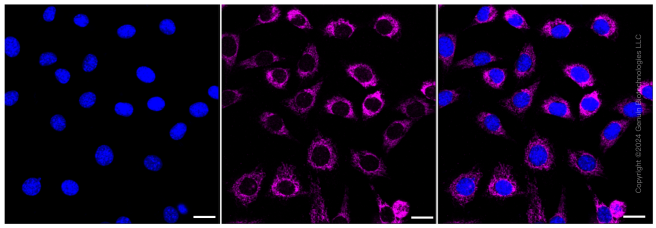
Western blotting analysis using anti-Acetyl-CoA acyltransferase 2 antibody (Cat#ABG1304). Acetyl-CoA acyltransferase 2 expression in wild type (WT) and Acetyl-CoA acyltransferase 2 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Acetyl-CoA acyltransferase 2 antibody (Cat#ABG1304, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Acetyl-CoA acyltransferase 2 expression in C2C12 cells using Acetyl-CoA acyltransferase 2 antibody (Cat#ABG1304, 1:2,000). Green, isotype control; red, Acetyl-CoA acyltransferase 2.

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Immunocytochemical staining of C2C12 cells with Acetyl-CoA acyltransferase 2 antibody (Cat#ABG1304, 1:1,000). Nuclei were stained blue with DAPI; Acetyl-CoA acyltransferase 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.