

Catalog #: 5068

Aliases

ACAD9; Acyl-CoA Dehydrogenase Family Member 9; NPD002; Acyl-Coenzyme A Dehydrogenase Family, Member 9; Complex I Assembly Factor ACAD9, Mitochondrial; MGC14452; Very-Long-Chain Acyl-CoA Dehydrogenase VLCAD; Acyl-CoA Dehydrogenase Family, Member 9; EC 1.3.99.10; EC 1.3.8.-; EC 1.3.99; MC1DN20; ACAD-9

Background

Gene Name: ACAD9

NCBI Gene Entry: [28976](#)

UniProt Entry: [Q9H845](#)

Application Information

Molecular Weight: Predicted, 69 kDa; observed, 58 kDa

Clonality: Mouse monoclonal antibody

Clone ID: 24GB14130

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), immunocytochemistry (IC), flow cytometry (FCM)

Immunogen

Recombinant protein of human ACAD9

Isotype

Mouse IgG1

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:500-1:2,500

Immunocytochemistry (IC): 1:100-1:1,000

Flow Cytometry (FCM): 1:2,000

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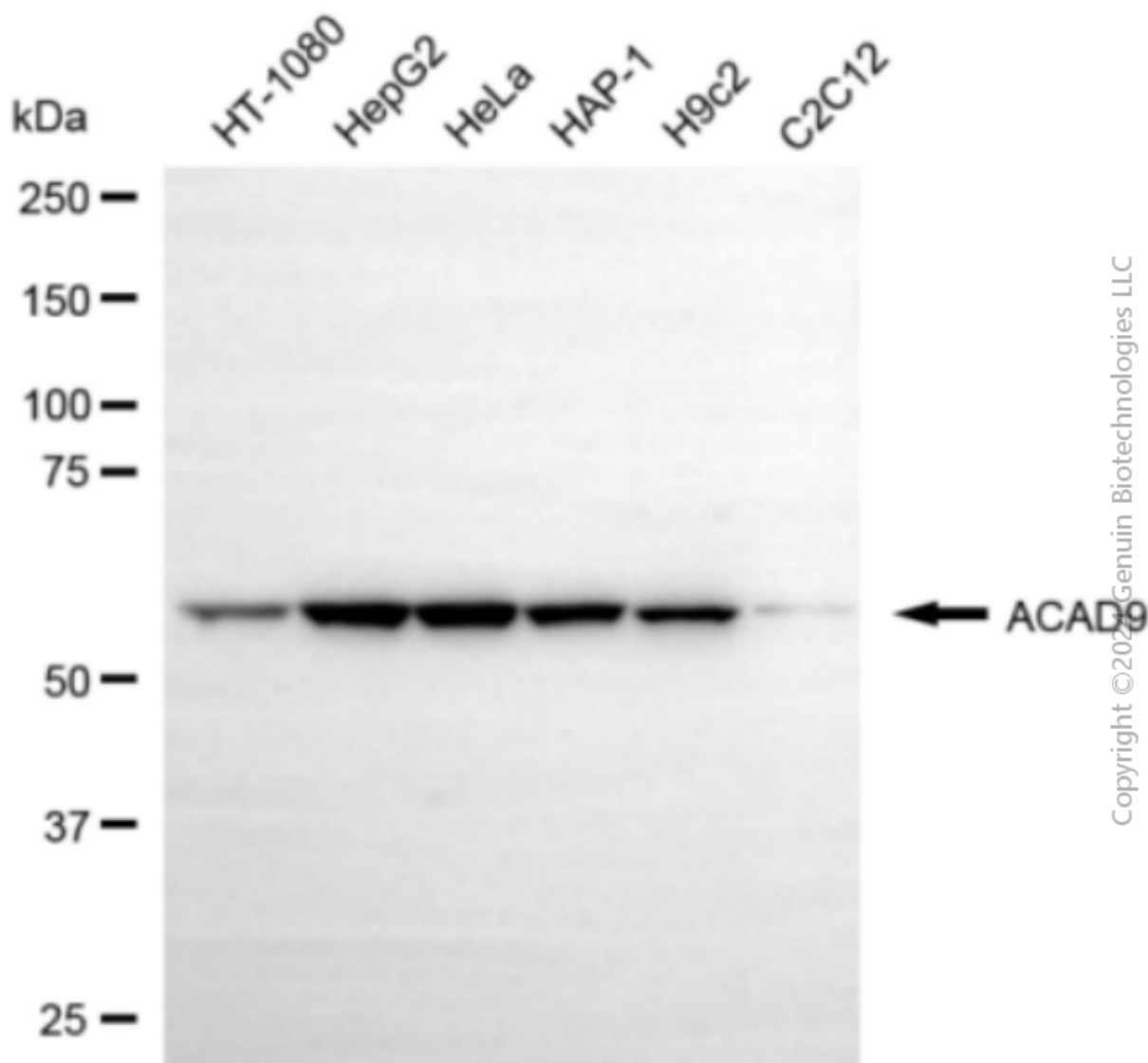
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Note: This product is for research use only.

Validation Data



Western blotting analysis using anti-ACAD9 antibody (Cat#5068). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ACAD9 antibody (Cat#5068, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

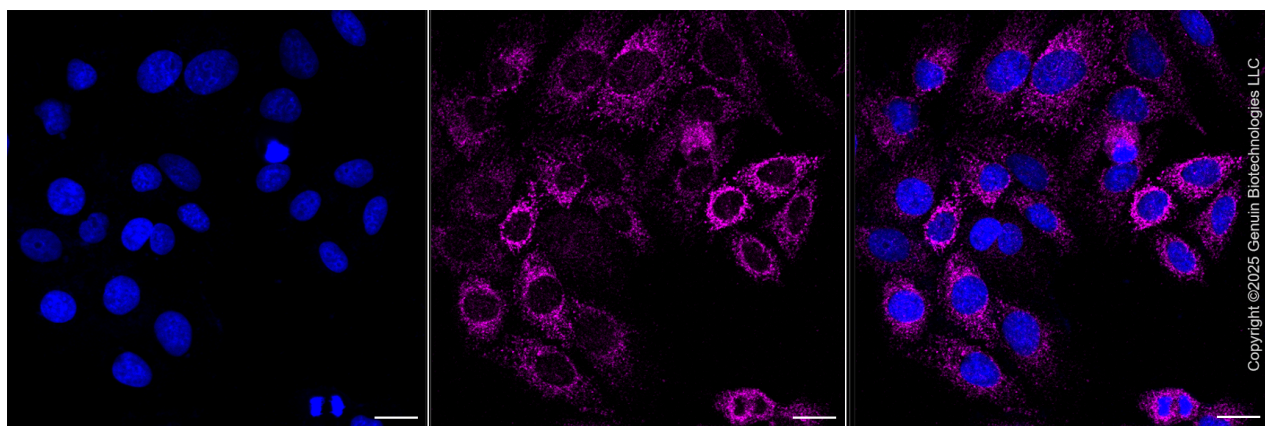
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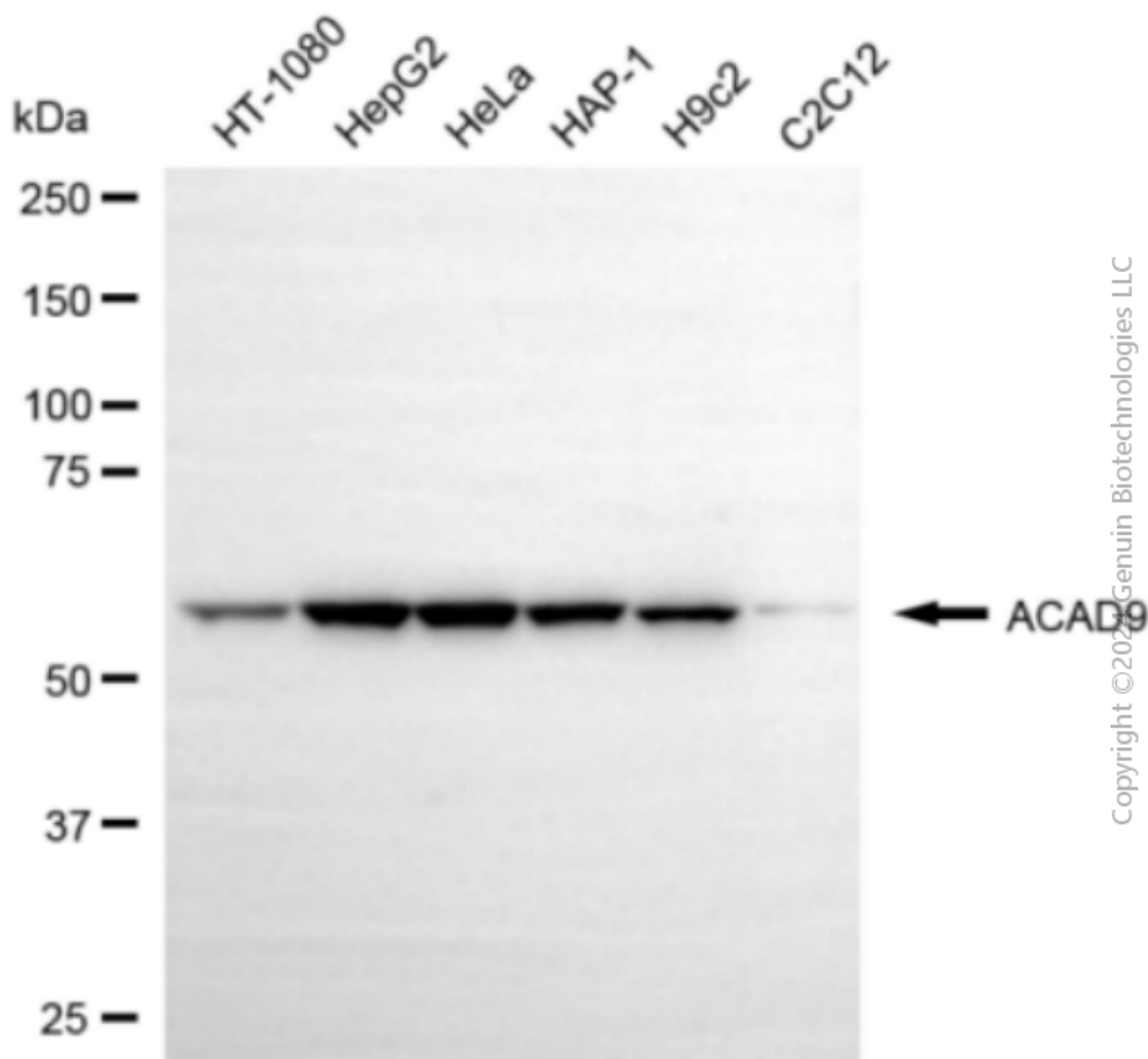
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Immunocytochemical staining of HepG2 cells with anti-ACAD9 antibody (Cat#5068, 1:1,000) . Nuclei were stained blue with DAPI; ACAD9 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.



Western blotting analysis using anti-ACAD9 antibody (Cat#5068). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ACAD9 antibody (Cat#5068, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

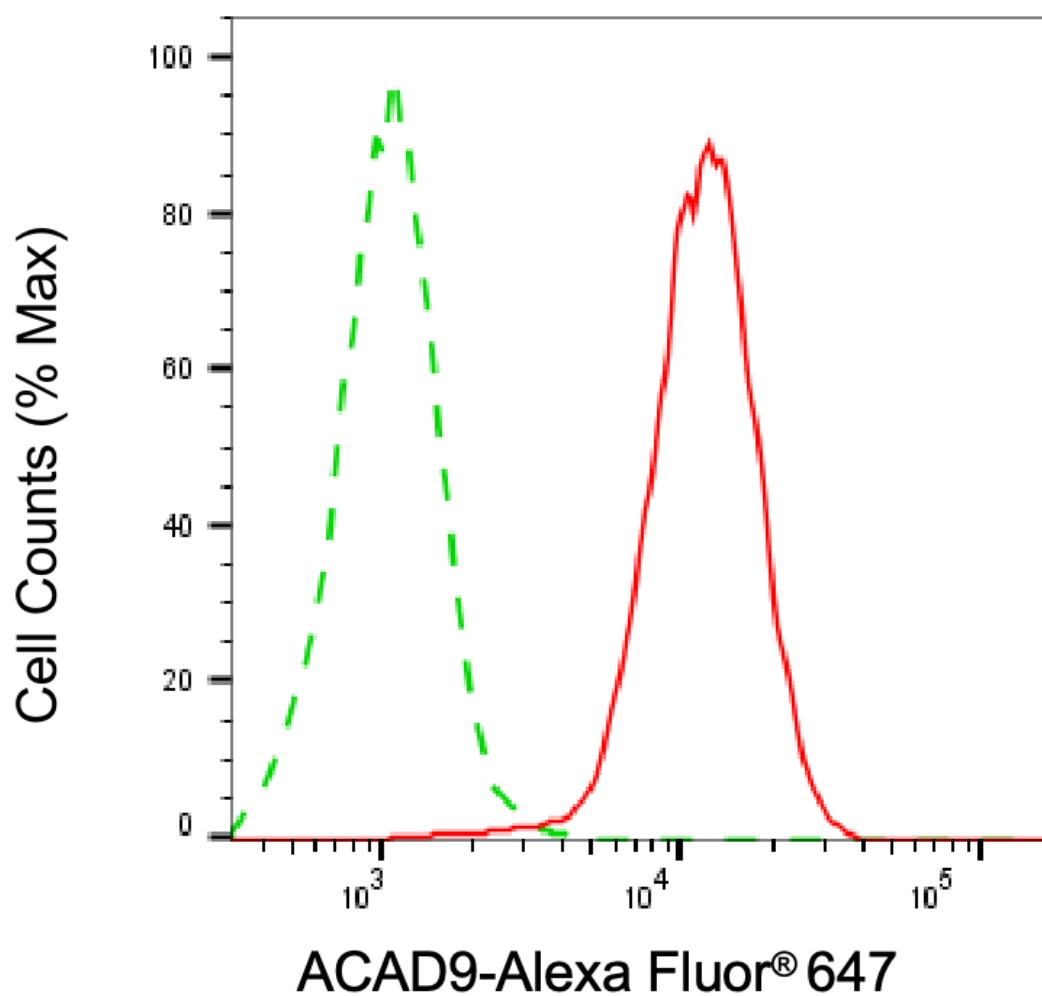
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Flow cytometric analysis of ACAD9 expression in HepG2 cells using anti-ACAD9 antibody (Cat#5068, 1:1,000). Green, isotype control; red, ACAD9.