

KD-Validated Anti-ACSL4 Recombinant Rabbit Monoclonal Antibody



Catalog #: 61331

Aliases

ACSL4; Acyl-CoA Synthetase Long Chain Family Member 4; LACS4; ACS4; FACL4; Fatty-Acid-Coenzyme A Ligase, Long-Chain 4; Long-Chain Fatty-Acid-Coenzyme A Ligase 4; Long-Chain-Fatty-Acid--CoA Ligase 4; Long-Chain Acyl-CoA Synthetase 4; Lignoceroyl-CoA Synthase; Arachidonate--CoA Ligase; EC 6.2.1.3; MRX63; MRX68; Mental Retardation, X-Linked 63; Mental Retardation, X-Linked 68; Acyl-CoA Synthetase 4; EC 6.2.1.15; XLID63; LACS 4

Background

Gene Name: ACSL4

NCBI Gene Entry: [2182](#)

UniProt Entry: [O60488](#)

Application Information

Molecular Weight: Predicted, 79 kDa, observed, 73 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB2960

Species Reactivity: Human, mouse, rat

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

Immunogen

A synthesized peptide derived from ACSL4

Isotype

Rabbit IgG

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): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

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

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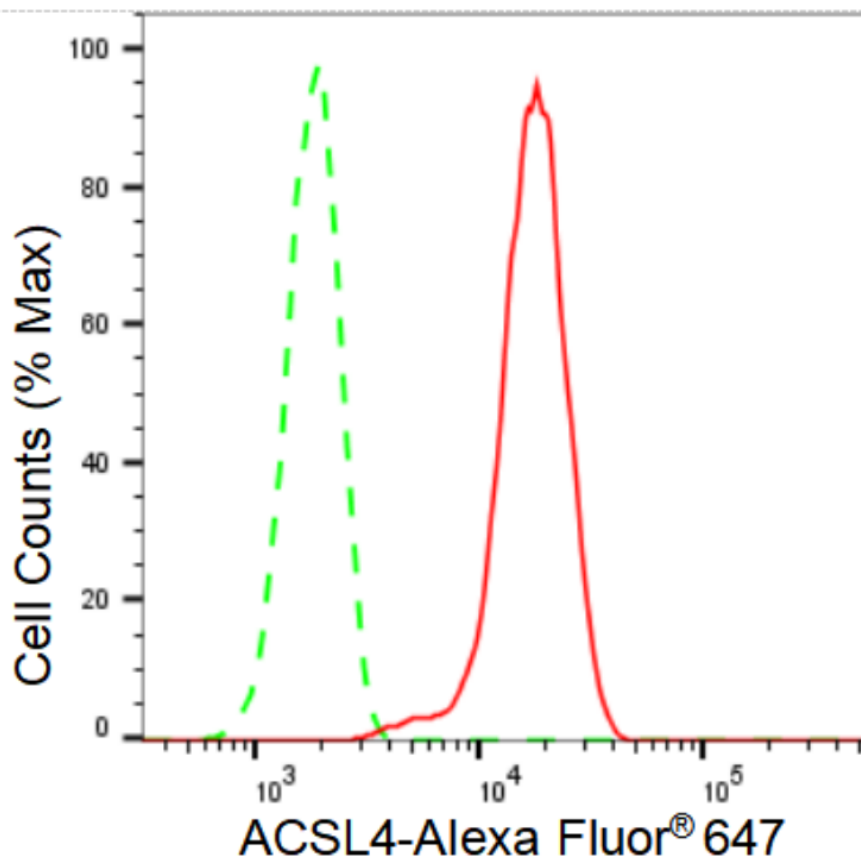
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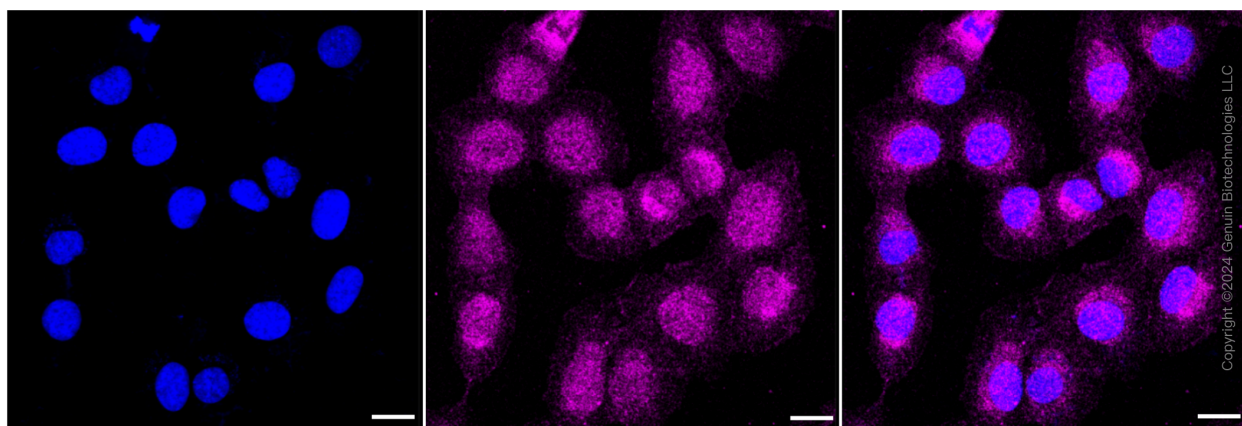
Note: This product is for research use only.

Validation Data



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Flow cytometric analysis of ACSL4 expression in HT-1080 cells using ACSL4 antibody (Cat#61331, 1:2,000). Green, isotype control; red, ACSL4.



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Immunocytochemical staining of HT-1080 cells with ACSL4 antibody (Cat#61331, 1:1,000). Nuclei were stained blue with DAPI; ACSL4 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart

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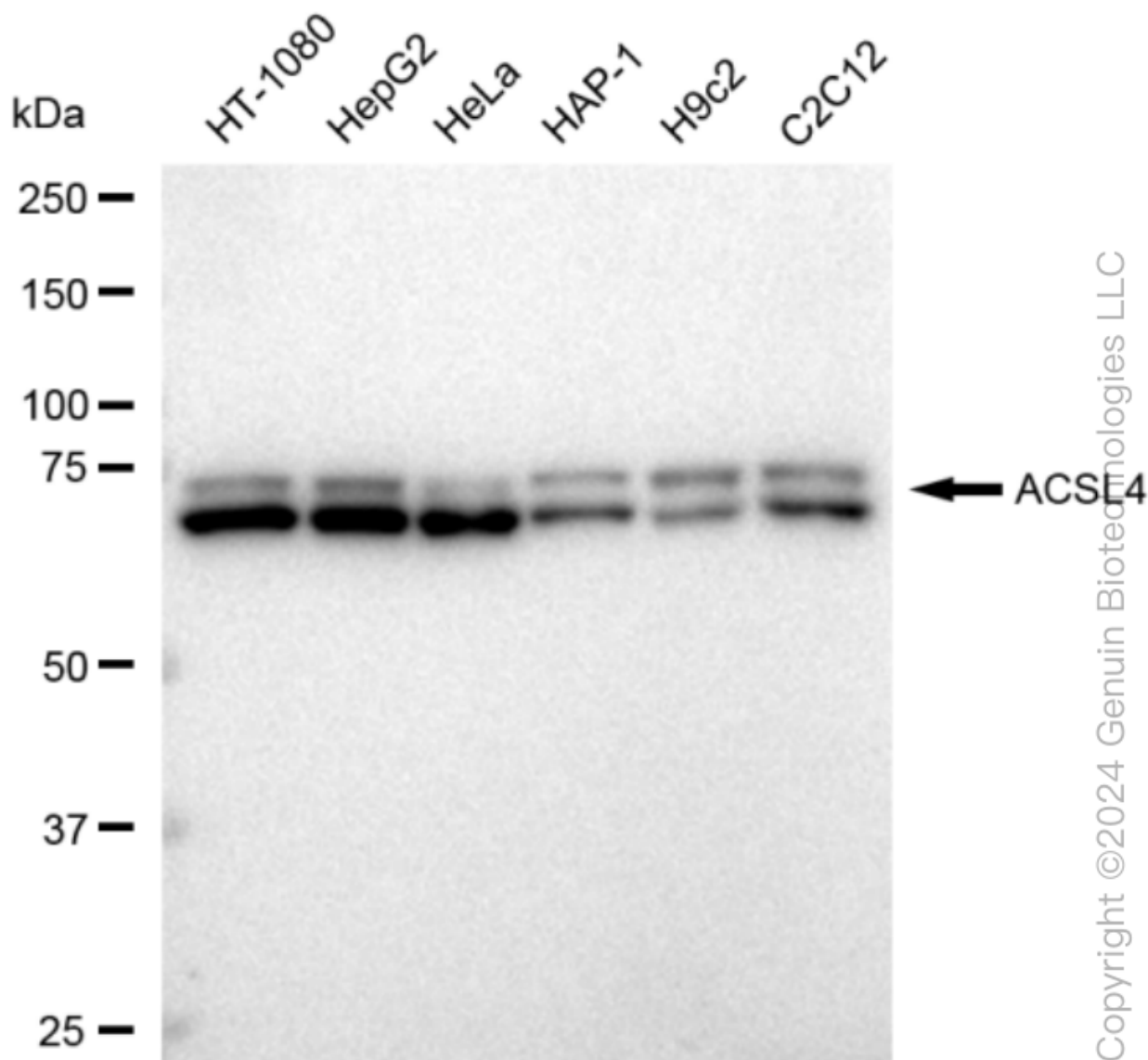
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gain: Medium. Scale bar: 20 μ m.



Western blotting analysis using anti-ACSL4 antibody (Cat#61331). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ACSL4 antibody (Cat#61331, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226). ACSL4, acyl-CoA synthetase long chain family member 4.

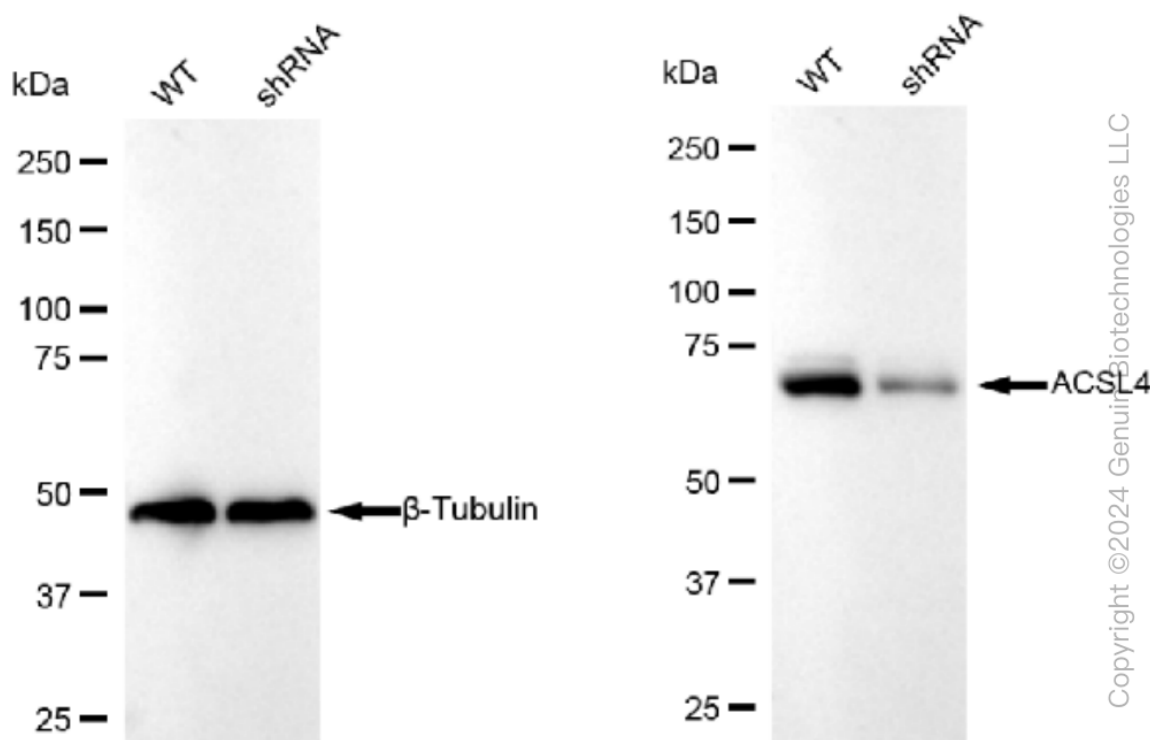
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Western blotting analysis using anti-ACSL4 antibody (Cat#61331). ACSL4 expression in wild type (WT) and ACSL4 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-ACSL4 antibody (Cat#61331, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).