

Anti-Aconitase 1 Recombinant Rabbit Monoclonal Antibody



Catalog #: 1648

Aliases

ACO1; Aconitase 1; IRP1; IREBP; IREB1; Iron-Responsive Element-Binding Protein 1; Aconitate Hydratase, Cytoplasmic; Cytoplasmic Aconitate Hydratase; Ferritin Repressor Protein; Iron Regulatory Protein 1; Cytosplasmic Aconitase; Aconitase 1, Soluble; Citrate Hydro-Lyase; Soluble Aconitase; EC 4.2.1.3; Epididymis Secretory Sperm Binding Protein; Epididymis Luminal Protein 60; Cytoplasmic Aconitase; Aconitase; IRE-BP 1; EC 4.2.1; IREBP1; ACONS; HEL60

Background

Gene Name: ACO1
NCBI Gene Entry: 48
UniProt Entry: [P21399](#)

Application Information

Molecular Weight: Predicted, 98 kDa; observed, 95,130 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 23GB3915
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human Aconitase 1

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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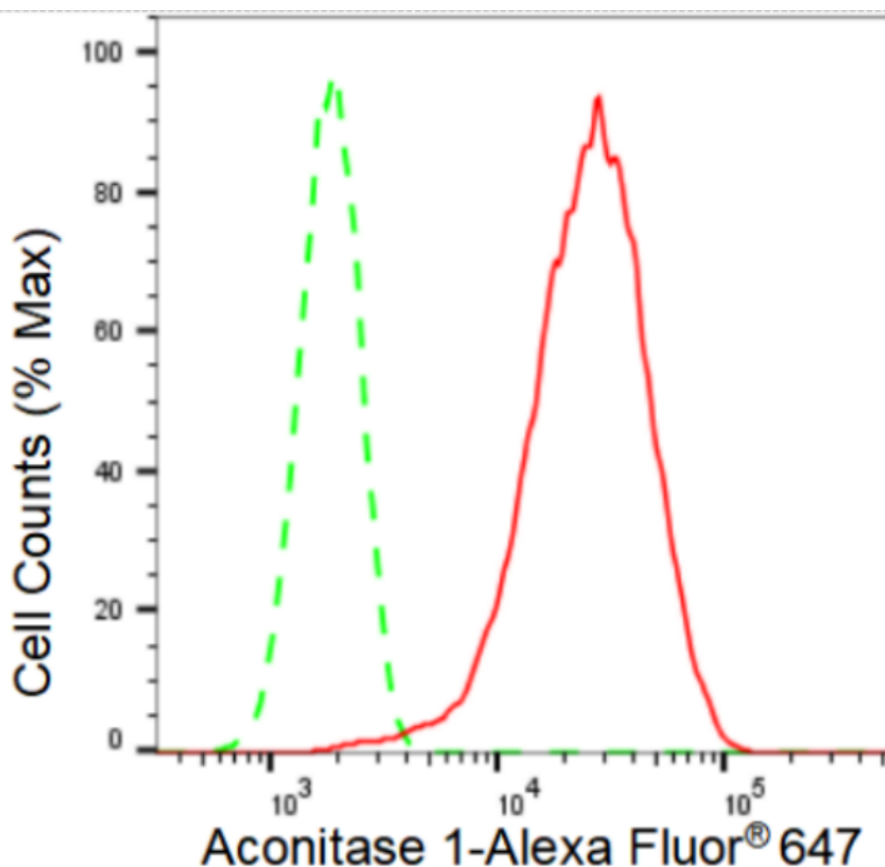
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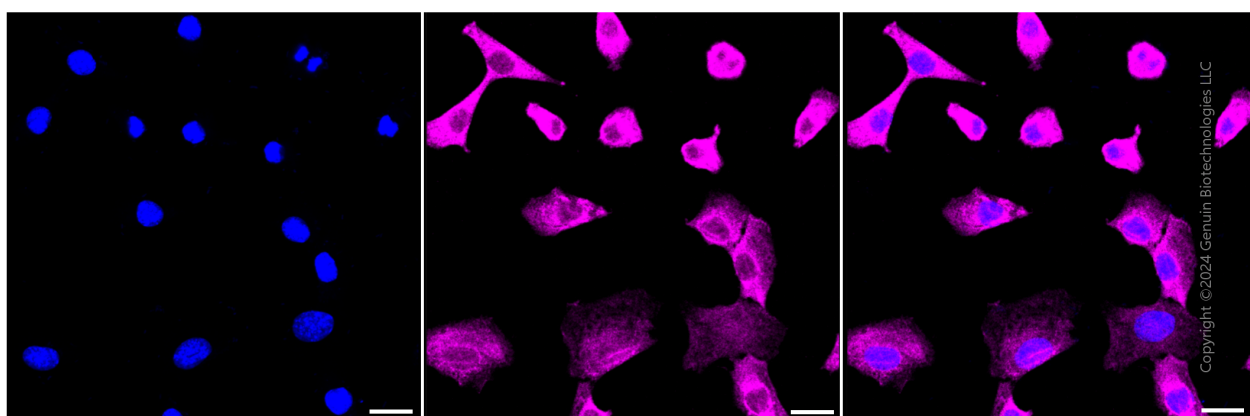
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Validation Data



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Flow cytometric analysis of Aconitase 1 expression in C2C12 cells using Aconitase 1 antibody (Cat#1648, 1:2000). Green, isotype control; red, Aconitase 1



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Immunocytochemical staining of C2C12 cells with Aconitase 1 antibody (Cat#1648, 1:1,000). Nuclei were stained blue with DAPI; Aconitase 1 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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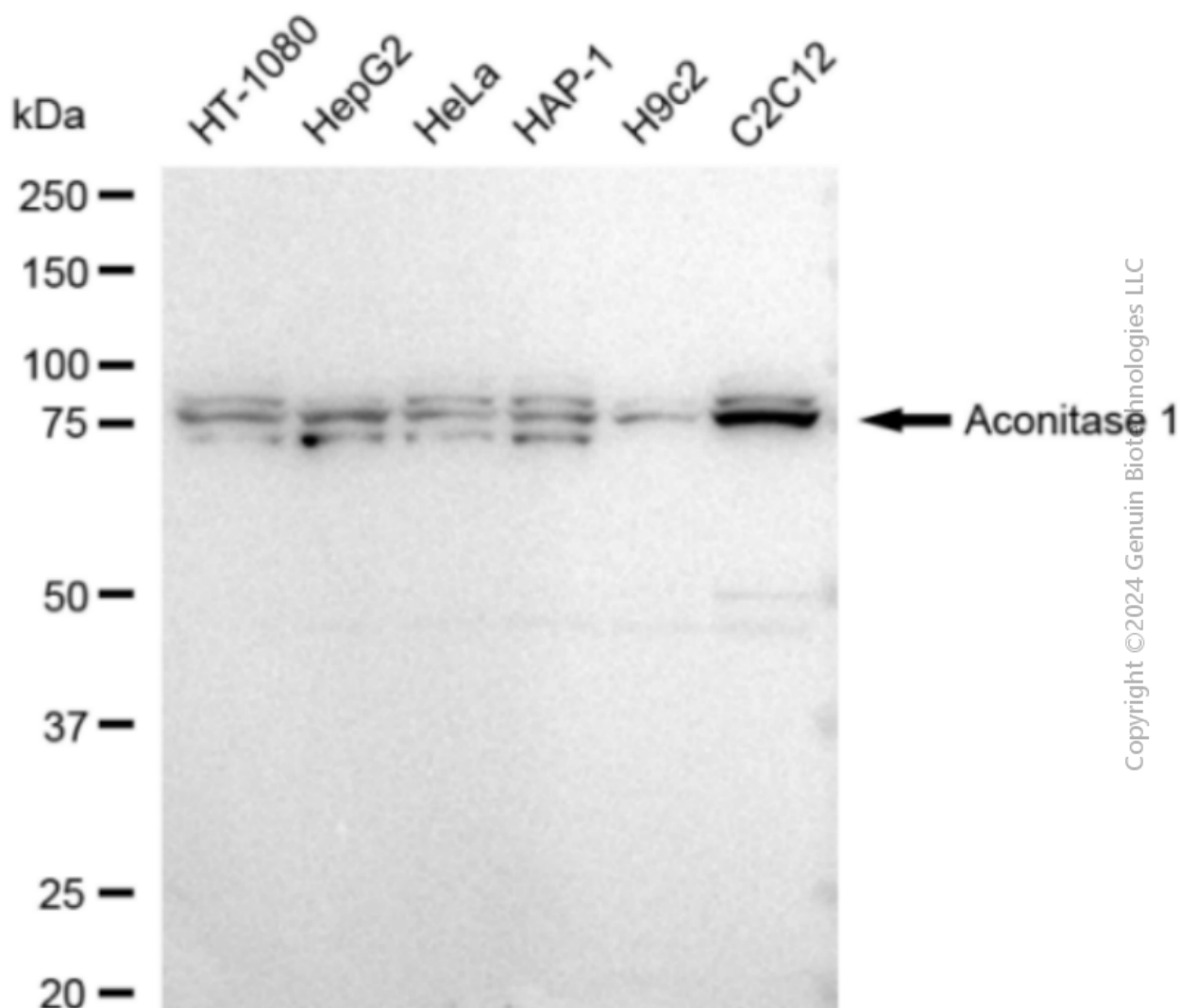
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gain: High. Scale bar: 20 μ m.



Western blotting analysis using anti-Aconitase 1 antibody (Cat#1648). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Aconitase 1 antibody (Cat#1648, 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).

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