

Anti-ATP citrate lyase Recombinant Rabbit Monoclonal Antibody



Catalog #: 4152

Aliases

ACLY; ATP Citrate Lyase; ACL; ATPCL; CLATP; ATP-Citrate (Pro-S-)-Lyase; Citrate Cleavage Enzyme; ATP-Citrate Synthase; EC 2.3.3.8; ATP Citrate Synthase

Background

Gene Name: ACLY
NCBI Gene Entry: 47
UniProt Entry: P53396

Application Information

Molecular Weight: Predicted, 121 kDa; observed, 121 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 24GB9815
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human ATP citrate lyase

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

Note: This product is for research use only.

Validation Data

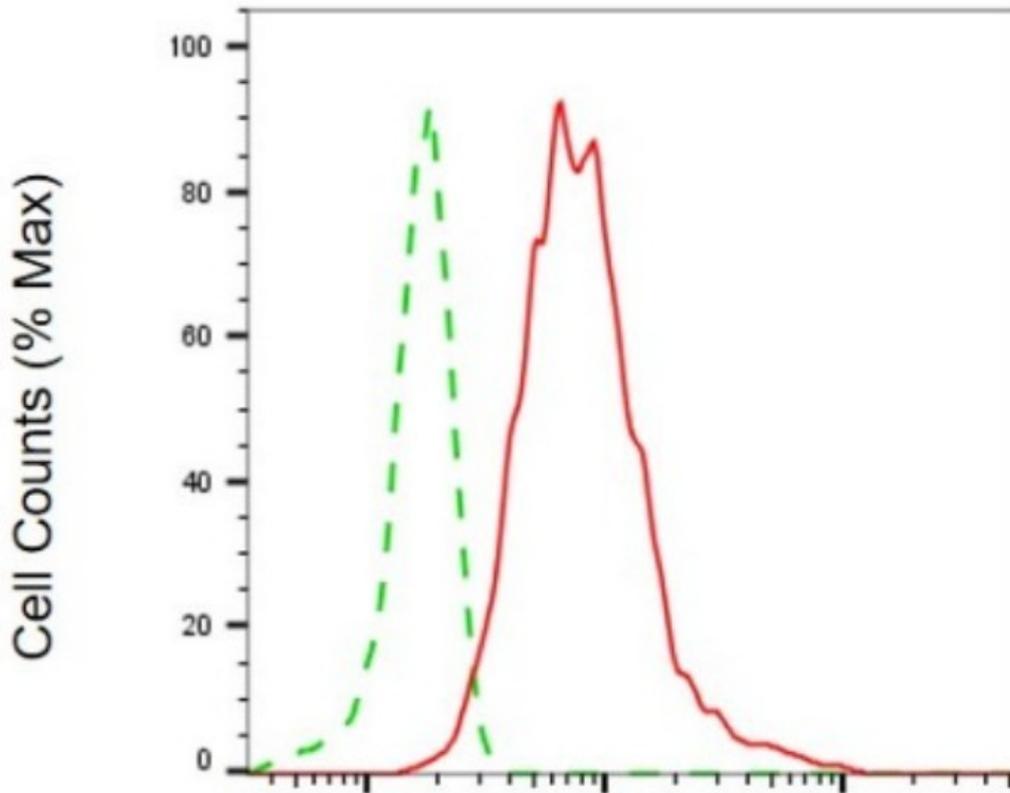
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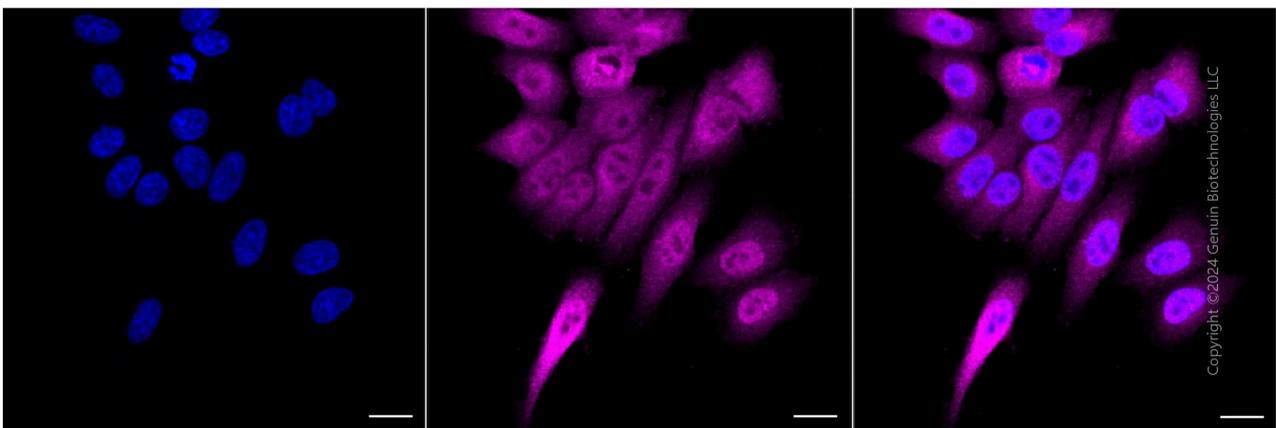
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ATP citrate lyase-Alexa Fluor® 647

Flow cytometric analysis of ATP citrate lyase expression in HepG2 cells using anti-ATP citrate lyase antibody (Cat#4152, 1:2,000). Green, isotype control; red, ATP citrate lyase.



Immunocytochemical staining of HepG2 cells with anti-ATP citrate lyase antibody (Cat#4152, 1:1,000). Nuclei were stained blue with DAPI; ATP citrate lyase was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity

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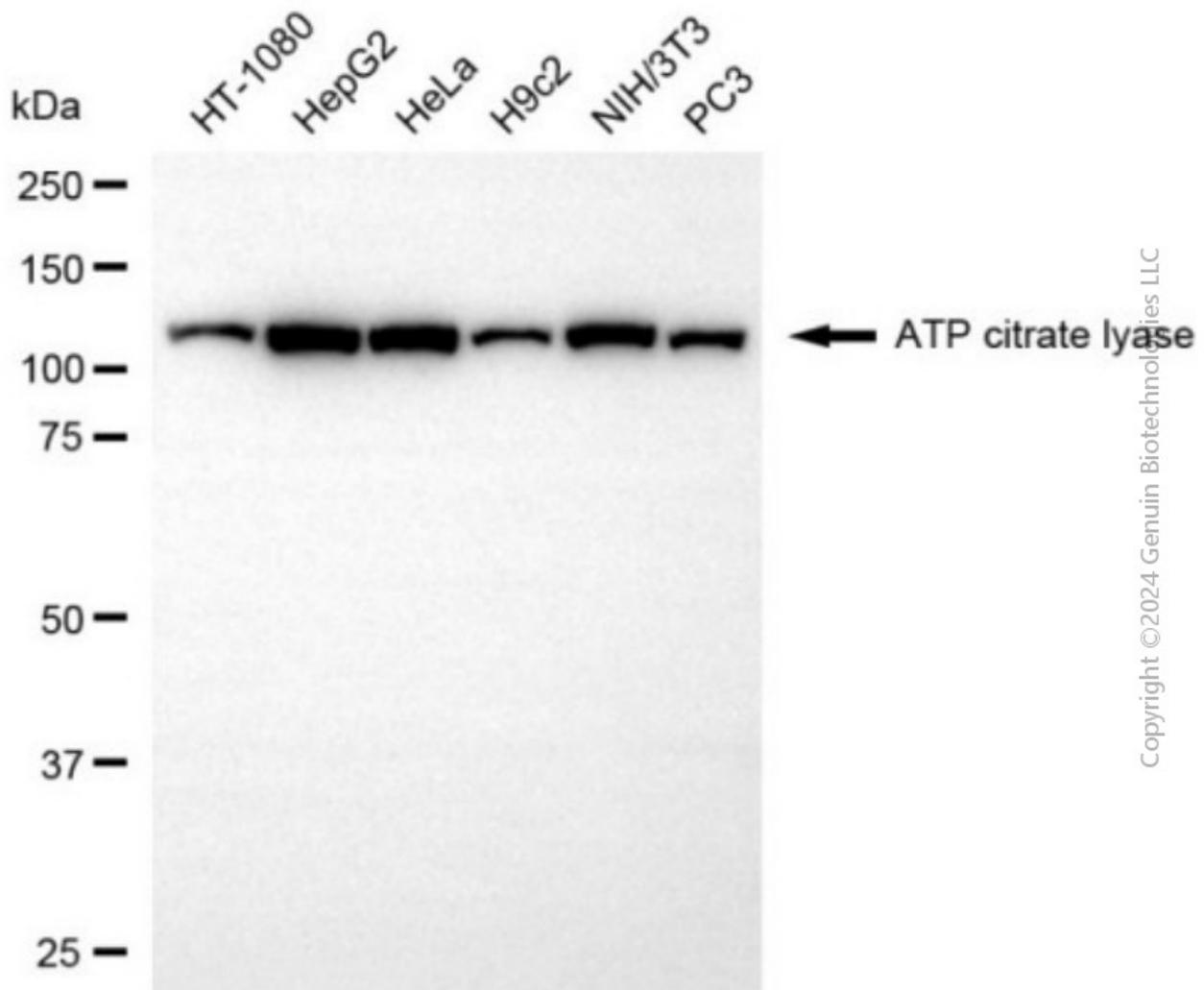
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and smart gain: High. Scale bar, 20 μ m.



Western blotting analysis using anti-ATP citrate lyase antibody (Cat#4152). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ATP citrate lyase antibody (Cat#4152, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

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