9051 Mira Mesa Blvd, #910094
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KD-Validated Anti-Citrate synthetase Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG2387

Product Overview

Name	KD-Validated Anti-Citrate synthetase Rabbit Monoclonal Antibody
Accession(Primary)	O75390
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human CS
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 52 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 (O75390)

Gene Name	CS
About Gene Symbol	CS (Citrate Synthase) is a biosynthetic 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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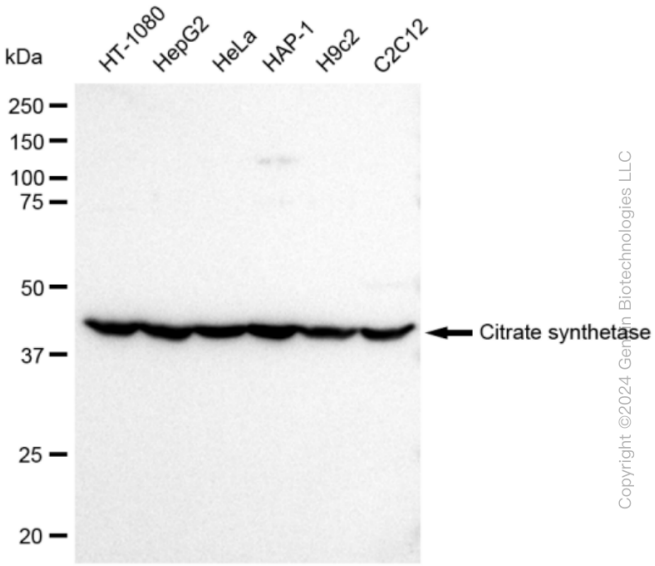

Western blotting analysis using anti-Citrate synthetase antibody (Cat#ABG2387). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Citrate synthetase antibody (Cat#ABG2387, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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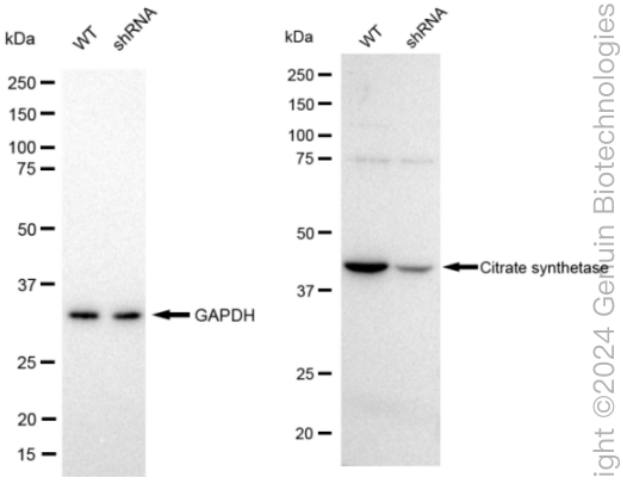

Western blotting analysis using anti-Citrate synthetase antibody (Cat#ABG2387). Citrate synthetase expression in wild type (WT) and Citrate synthetase shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. GAPDH serves as a loading control. The blot was incubated with anti-Citrate synthetase antibody (Cat#ABG2387, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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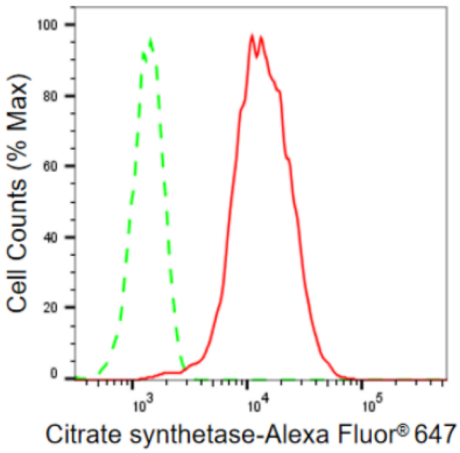

Flow cytometric analysis of Citrate synthetase expression in HepG2 cells using Citrate synthetase antibody (Cat#ABG2387, 1:2,000). Green, isotype control; red, Citrate synthetase.

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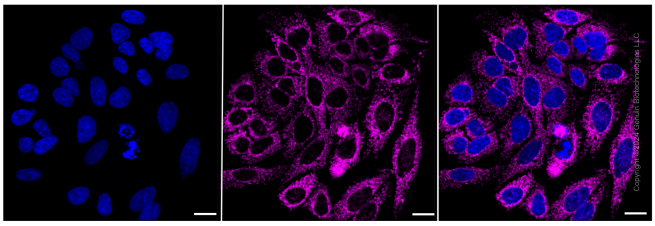

Immunocytochemical staining of HepG2 cells with Citrate synthetase antibody (Cat#ABG2387, 1:1,000). Nuclei were stained blue with DAPI; Citrate synthetase was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.