9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

KD-Validated Anti-CTP synthase 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1435

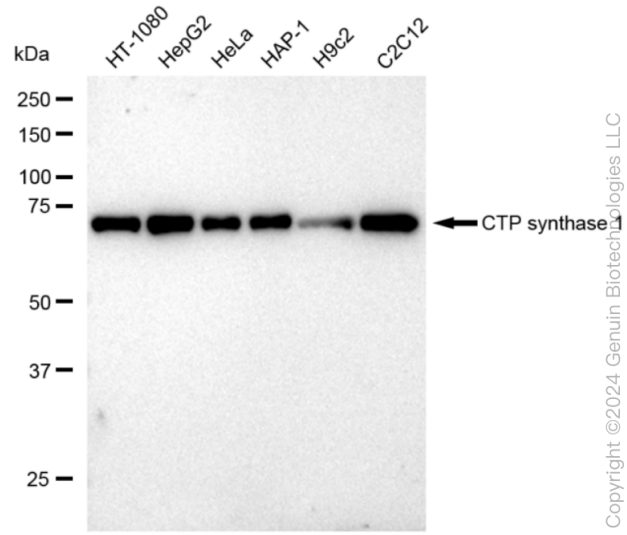
Product Overview

Name	KD-Validated Anti-CTP synthase 1 Rabbit Monoclonal Antibody
Accession(Primary)	P17812
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human CTP synthase / CTPS
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 67 kDa , observed, 72 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 (P17812)

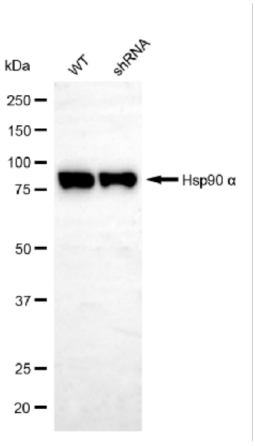
Gene Name	CTPS1
About Gene Symbol	CTPS1 (CTP Synthase 1) is a biosynthetic enzyme involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

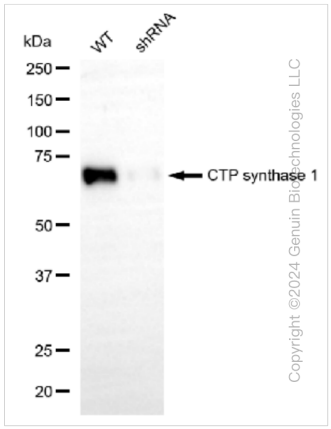
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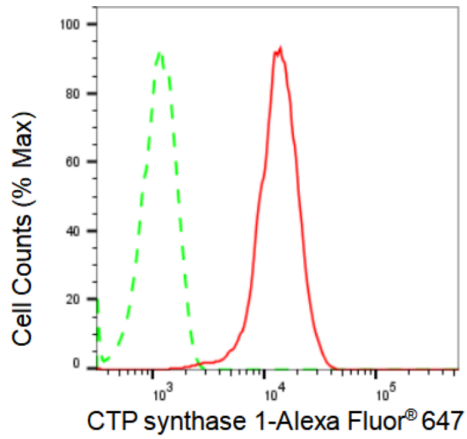
Western blotting analysis using anti-CTP synthase 1 antibody (Cat#ABG1435). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CTP synthase 1 antibody (Cat#ABG1435, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.





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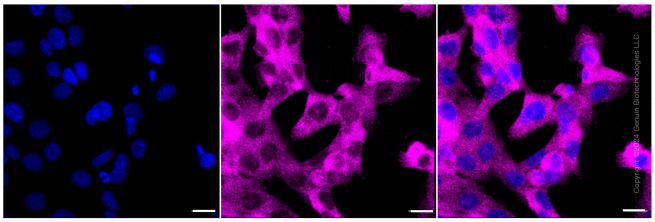
Western blotting analysis using anti-CTP synthase 1 antibody (Cat#ABG1435). CTP synthase 1 expression in wild type (WT) and CTP synthase 1 shRNA knockdown (KD) 293T cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-CTP synthase 1 antibody (Cat#ABG1435, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of CTP synthase 1 expression in HepG2 cells using CTP synthase 1 antibody (Cat#ABG1435, 1:2,000). Green, isotype control; red, CTP synthase 1.

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Immunocytochemical staining of HT-1080 cells with CTP synthase 1 antibody (Cat#ABG1435, 1:1,000). Nuclei were stained blue with DAPI; CTP synthase 1 with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.