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

KD-Validated Anti-ATP7B Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1370

Product Overview

Name	KD-Validated Anti-ATP7B Rabbit Monoclonal Antibody
Accession(Primary)	P35670
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human ATP7b
Species Reactivity	Human
Calculated MW	Predicted, 157 kDa , observed, 157 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 (P35670)

Gene Name	ATP7B
About Gene Symbol	ATP7B (ATPase Copper Transporting Beta) is a metabolic 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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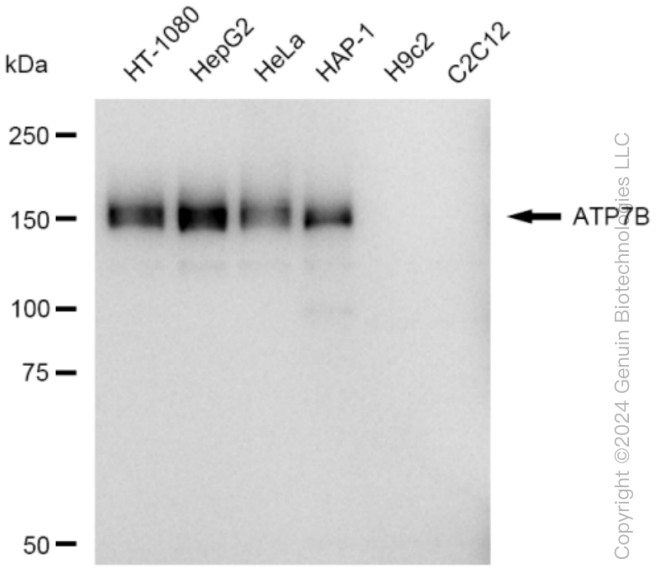

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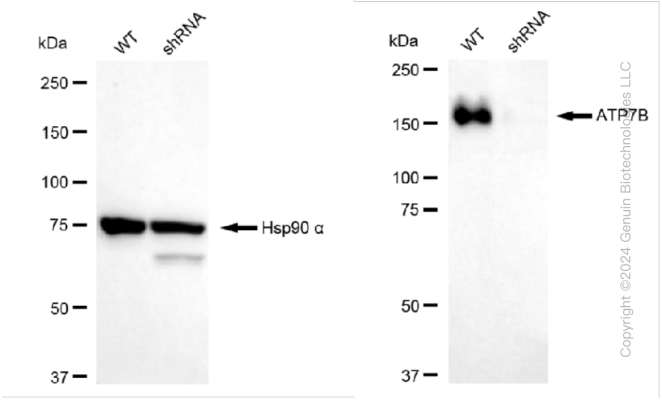
Western blotting analysis using anti-ATP7B antibody (Cat#ABG1370). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ATP7B antibody (Cat#ABG1370, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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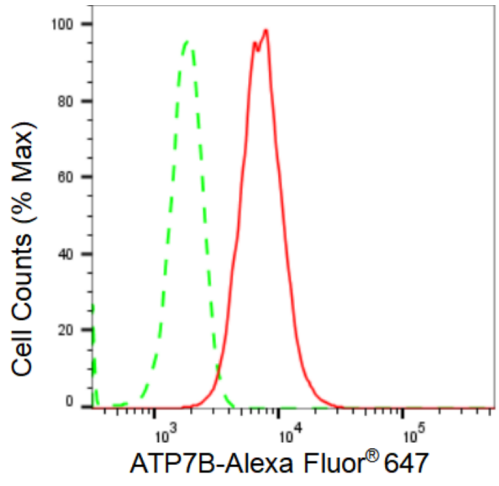
Western blotting analysis using anti-ATP7B antibody (Cat#ABG1370). ATP7B expression in wild type (WT) and ATP7B shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-ATP7B antibody (Cat#ABG1370, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of ATP7B expression in HepG2 cells using ATP7B antibody (Cat#ABG1370, 1:2,000). Green, isotype control; red, ATP7B.

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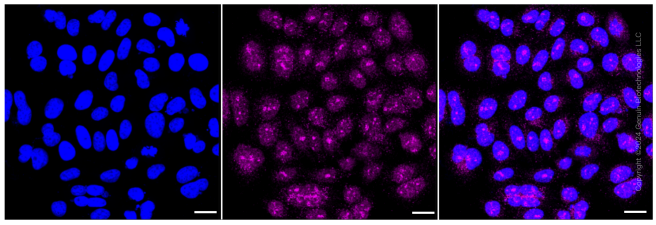

Immunocytochemical staining of HepG2 cells with ATP7B antibody (Cat#ABG1370, 1:1,000). Nuclei were stained blue with DAPI; ATP7B was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.