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

Rabbit monoclonal antibody

ABG2328

Product Overview

Name	KD-Validated Anti-CLPP Rabbit Monoclonal Antibody
Accession(Primary)	Q16740
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human CLPP
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 30 kDa, observed, 26 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	WesternBlotting (WB): 1:1,000-1:5,000 Immunocytochemistry (IC): 1:1,000 Flow Cytometry (FCM): 1:2,000

Target information (Q16740)

Gene Name	CLPP
About Gene Symbol	CLPP (Caseinolytic Mitochondrial Matrix Peptidase Proteolytic Subunit) is a protease 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

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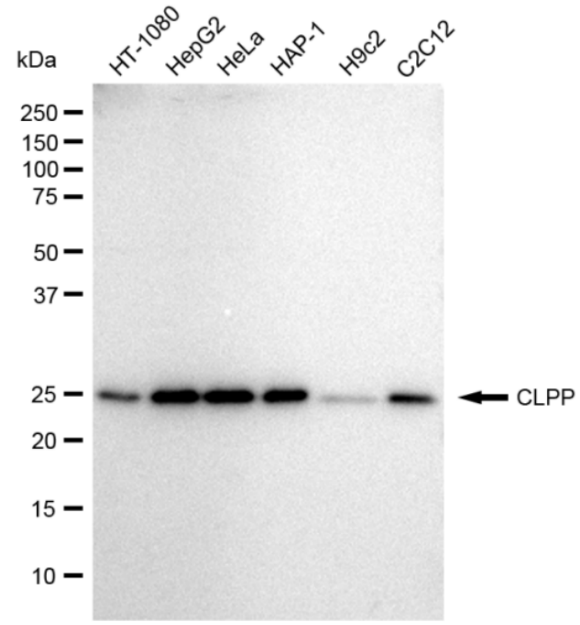

Western blotting analysis using anti-CLPP antibody (Cat#ABG2328). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CLPP antibody (Cat#ABG2328, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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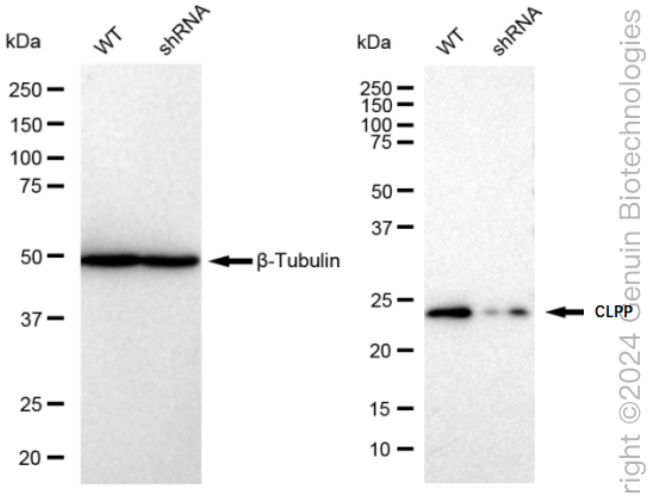

Western blotting analysis using anti-CLPP antibody (Cat#ABG2328). CLPP expression in wild type (WT) and CLPP shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-CLPP antibody (Cat#ABG2328, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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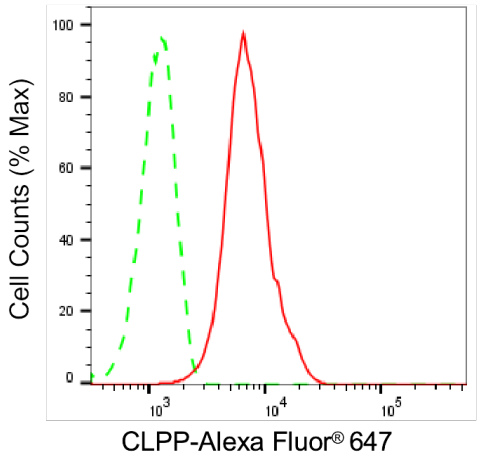

Flow cytometric analysis of CLPP expression in HepG2 cells using anti-CLPP antibody (Cat#ABG2328, 1:2,000). Green, isotype control; red, CLPP.

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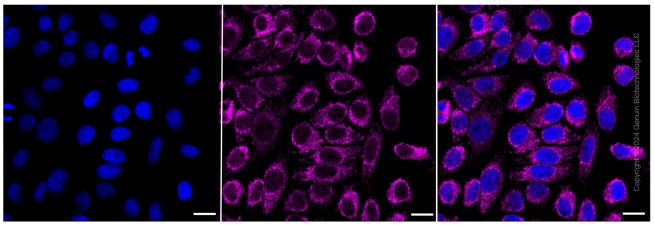

Immunocytochemical staining of HepG2 cells with CLPP antibody (Cat#ABG2328, 1:1,000). Nuclei were stained blue with DAPI; CLPP was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.