

KD-Validated Anti-CLPX Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

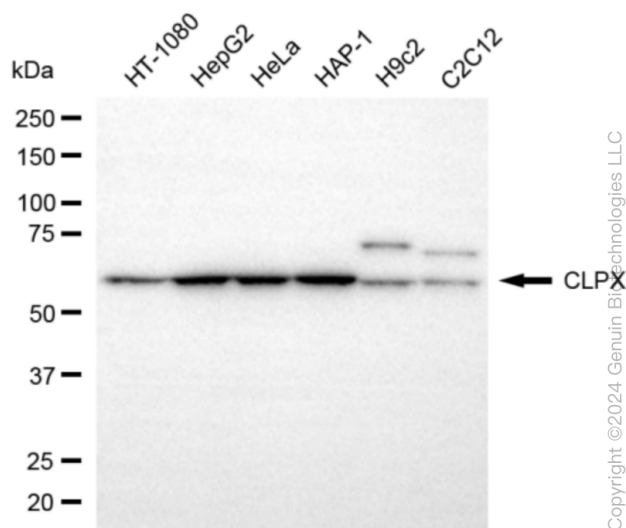
ABG1031

Product Overview

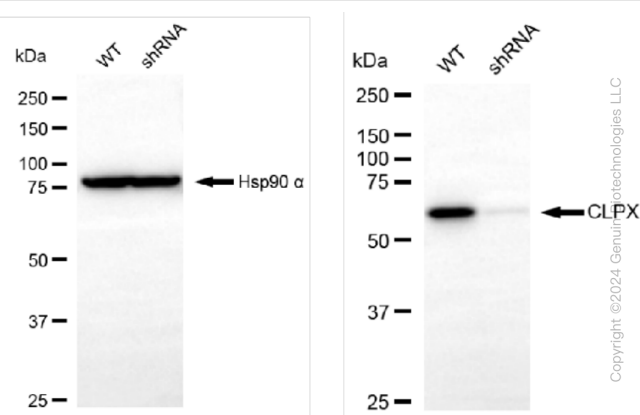
Name	KD-Validated Anti-CLPX Rabbit Monoclonal Antibody
Accession(Primary)	O76031
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human CLPX
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 69 kDa, observed, 60 kDa
Storage Buffer	Supplied 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 (O76031)

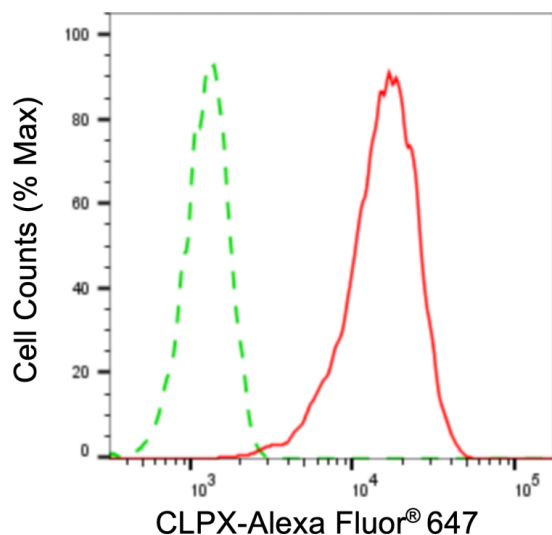
Gene Name	CLPX
About Gene Symbol	CLPX (Caseinolytic Mitochondrial Matrix Peptidase Chaperone Subunit X) is a protease enzyme involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate



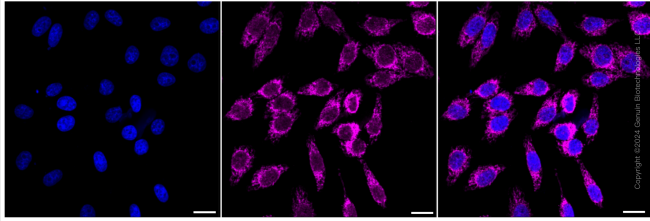
Western blotting analysis using anti-CLPX antibody (Cat#ABG1031). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CLPX antibody (Cat#ABG1031, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-CLPX antibody (Cat#ABG1031). CLPX expression in wild-type (WT) and CLPX shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-CLPX antibody (Cat#ABG1031, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of CLPX expression in HepG2 cells using anti-CLPX antibody (Cat#ABG1031, 1:2,000). Green, isotype control; red, CLPX.



Immunocytochemical staining of HepG2 cells with CLPX antibody (Cat#ABG1031, 1:1,000). Nuclei were stained blue with DAPI; CLPX 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 μ m.