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

KD-Validated Anti-COX IV Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1216

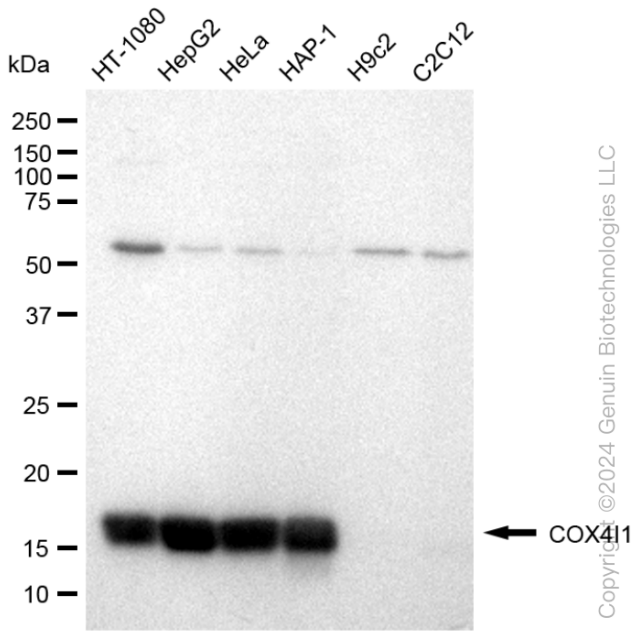
Product Overview

Name	KD-Validated Anti-COX IV Rabbit Monoclonal Antibody
Accession(Primary)	P13073
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human COX IV
Species Reactivity	Human
Calculated MW	Predicted, 20 kDa, observed, 20 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 Immunocytochemical (IC): 1:1,000

Target information (P13073)

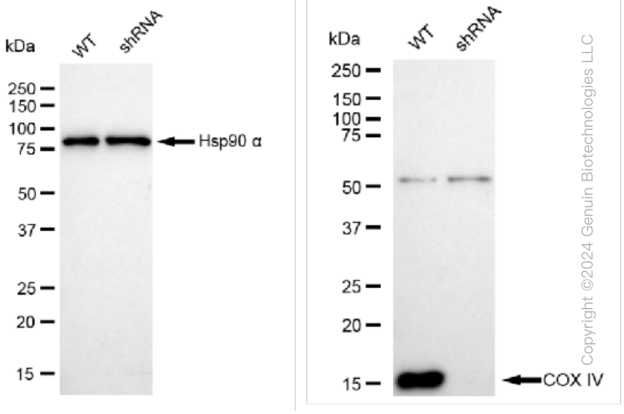
Gene Name	COX4I1
About Gene Symbol	COX4I1 (Cytochrome C Oxidase Subunit 4I1) is a metabolic enzyme involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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



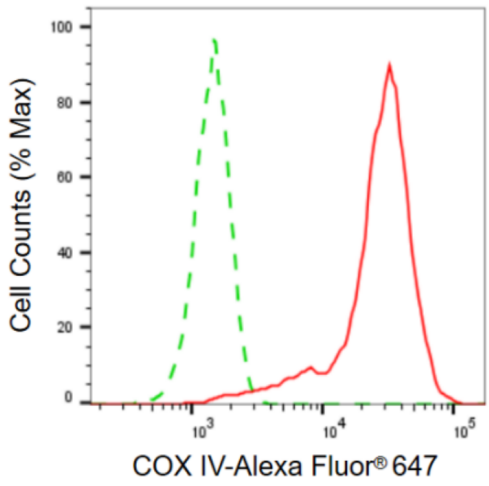
Copyright ©2024 Genuin Biotechnologies LLC

Western blotting analysis using anti-COX IV antibody (Cat#ABG1216). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-COX IV antibody (Cat#ABG1216, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



Copyright ©2024 Genuin Biotechnologies LLC

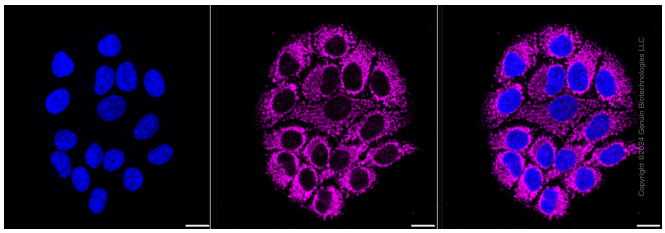
Western blotting analysis using anti-COX IV antibody (Cat#ABG1216). COX IV expression in wild type (WT) and COX IV shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-COX IV antibody (Cat#ABG1216,1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



Copyright ©2024 Genuin Biotechnologies LLC

Flow cytometric analysis of COX IV expression in HepG2 cells using COX IV antibody (Cat#ABG1216,1:2,000). Green, isotype control; red, COX IV.

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



Immunocytochemical staining of HepG2 cells with COX IV antibody (Cat#ABG1216, 1:1,000). Nuclei were stained blue with DAPI; COX IV 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.