

KD-Validated Anti-COX IV Recombinant Rabbit Monoclonal Antibody



Catalog #: 61431

Aliases

COX4I1; Cytochrome C Oxidase Subunit 4I1; COXIV-1; COX4-1; COXIV; COX4; Cytochrome C Oxidase Subunit 4 Isoform 1, Mitochondrial; Cytochrome C Oxidase Subunit IV Isoform 1; Cytochrome C Oxidase Polypeptide IV; Cytochrome C Oxidase Subunit IV; COX IV-1; MC4DN16

Background

Gene Name: COX4I1

NCBI Gene Entry: [1327](#)

UniProt Entry: [P13073](#)

Application Information

Molecular Weight: Predicted, 20 kDa, observed, 20 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB770

Species Reactivity: Human

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human COX IV

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

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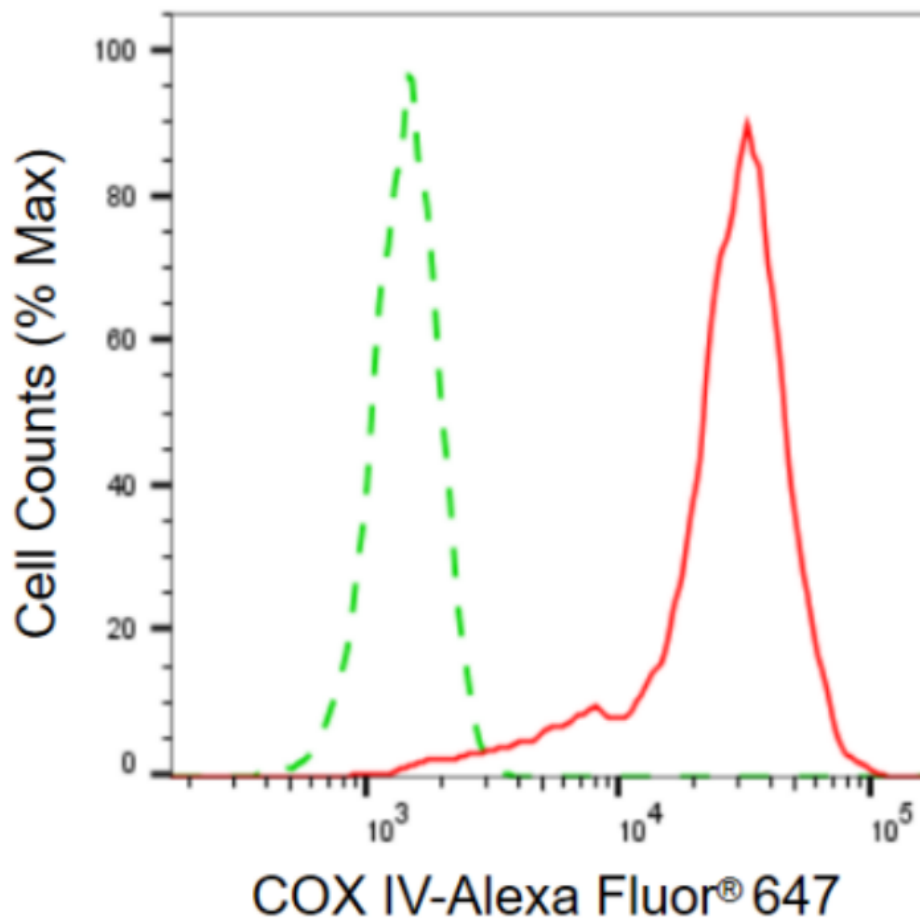
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PAGE 2

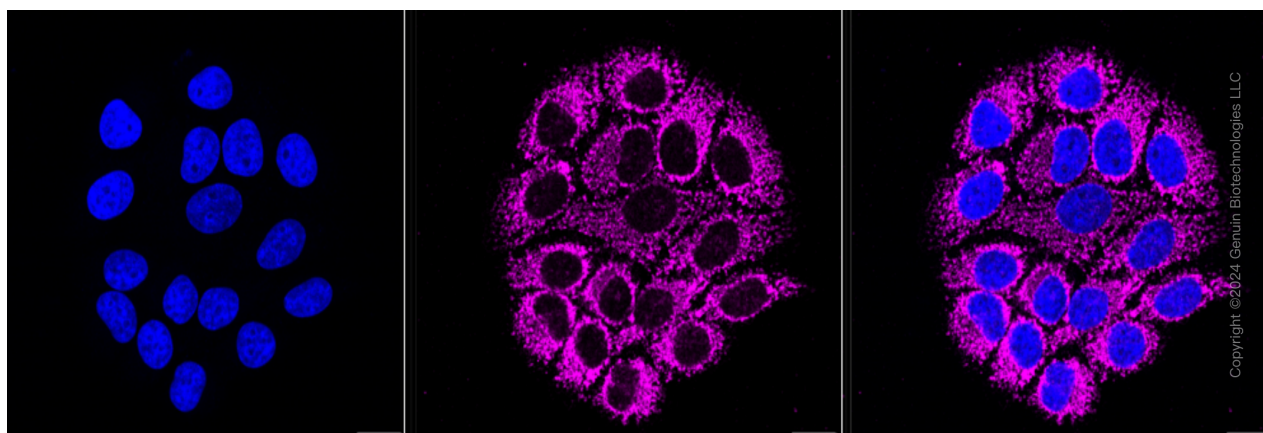
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Validation Data



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Flow cytometric analysis of COX IV expression in HepG2 cells using COX IV antibody (Cat#61431, 1:2,000). Green, isotype control; red, COX IV.



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Immunocytochemical staining of HepG2 cells with COX IV antibody (Cat#61431, 1:1,000).

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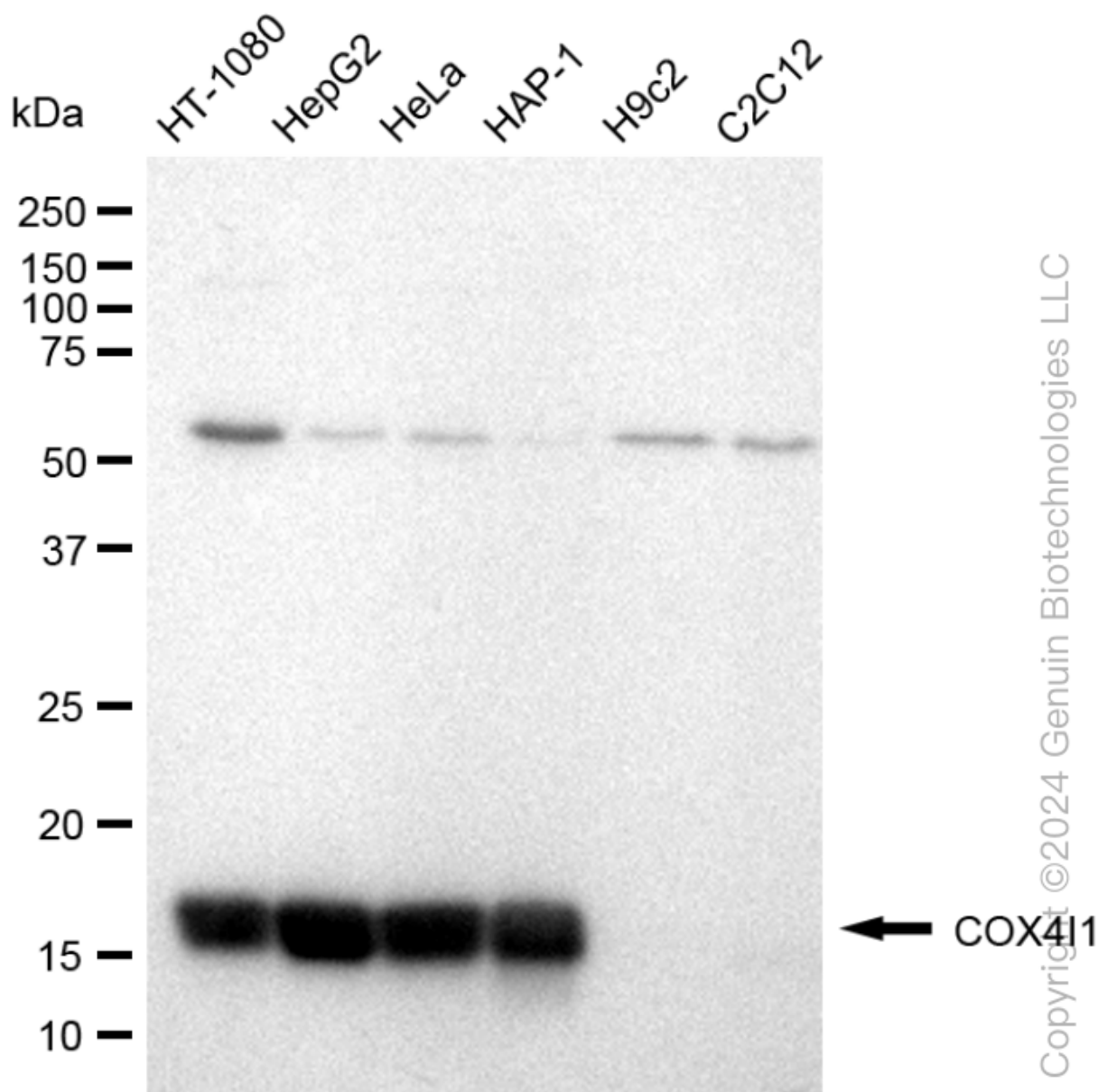
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PAGE 3

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.



Western blotting analysis using anti-COX IV antibody (Cat#61431). 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#61431, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (Cat#201, 1:50,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

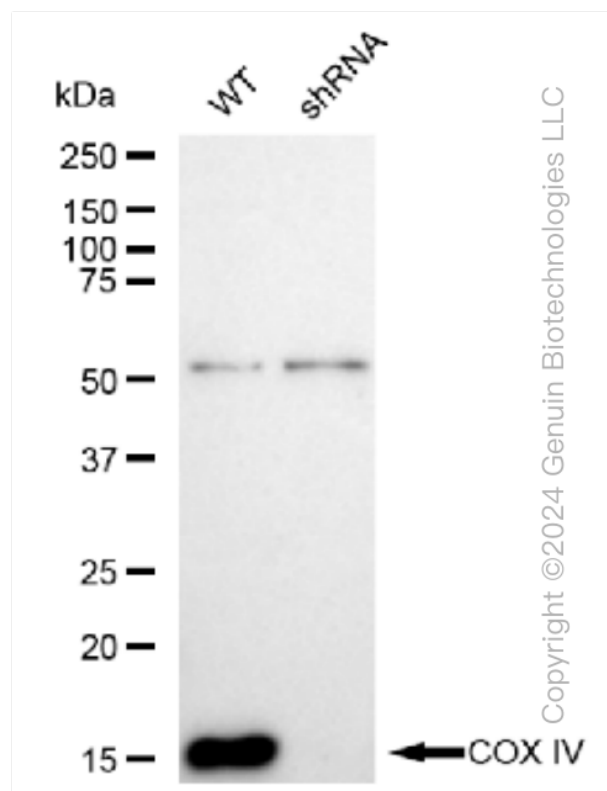
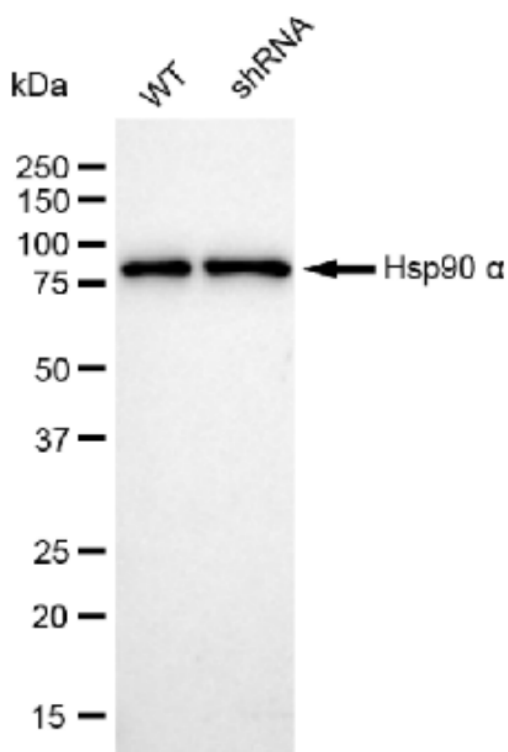
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Western blotting analysis using anti-COX IV antibody (Cat#61431). COX IV expression in wild type (WT) and COX IV shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-COX IV antibody (Cat#61431, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (Cat#201, 1:50,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).