

# Anti-COX IV Recombinant Rabbit Monoclonal Antibody



**Catalog #: 3941**

## 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, 17 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB8795

Species Reactivity: Human, rat

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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### SUPPORT

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### ORDERS

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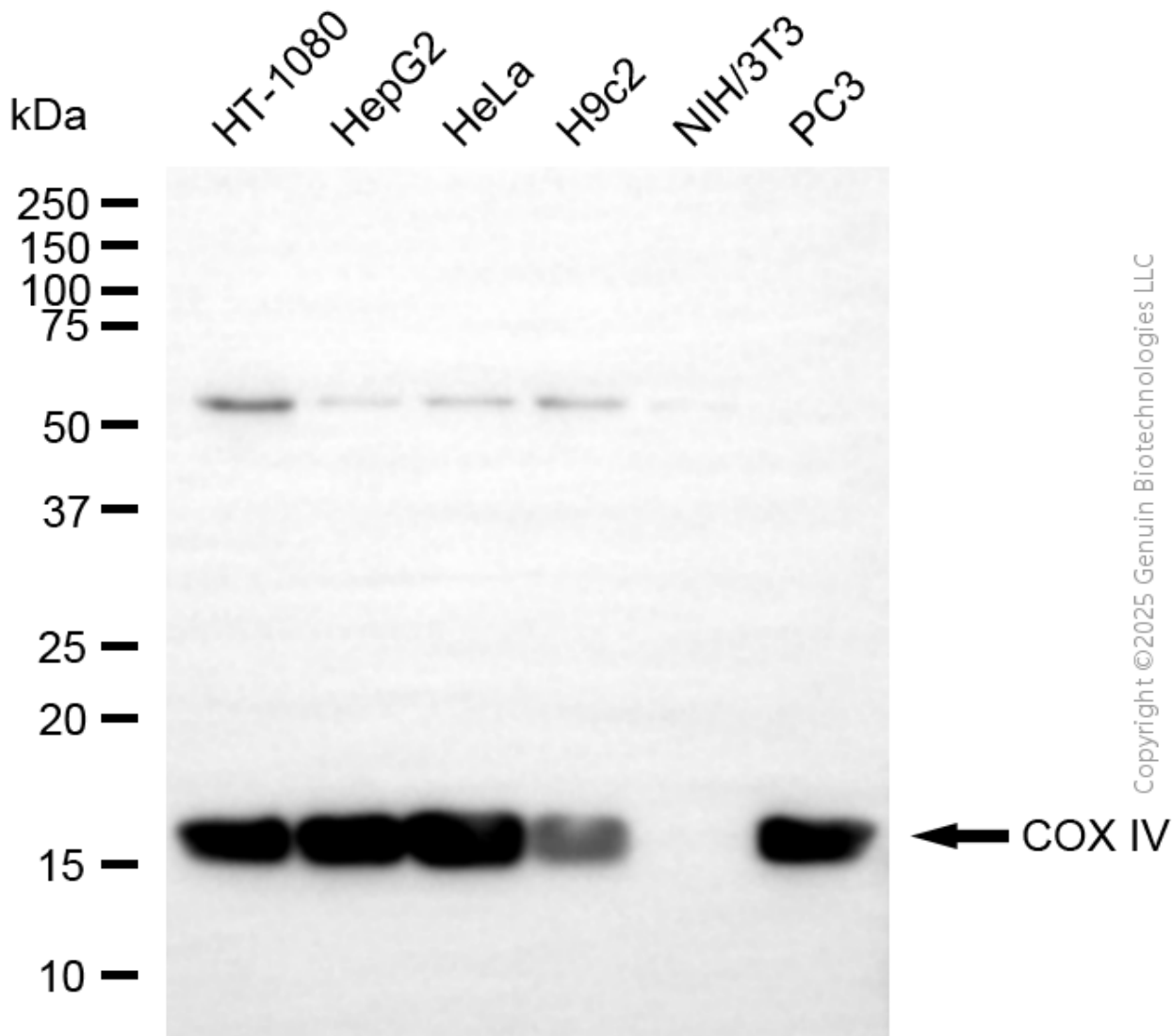
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**Note:** This product is for research use only.

## Validation Data



Western blotting analysis using anti-COXIV antibody (Cat#3941). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-COXIV antibody (Cat#3941, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

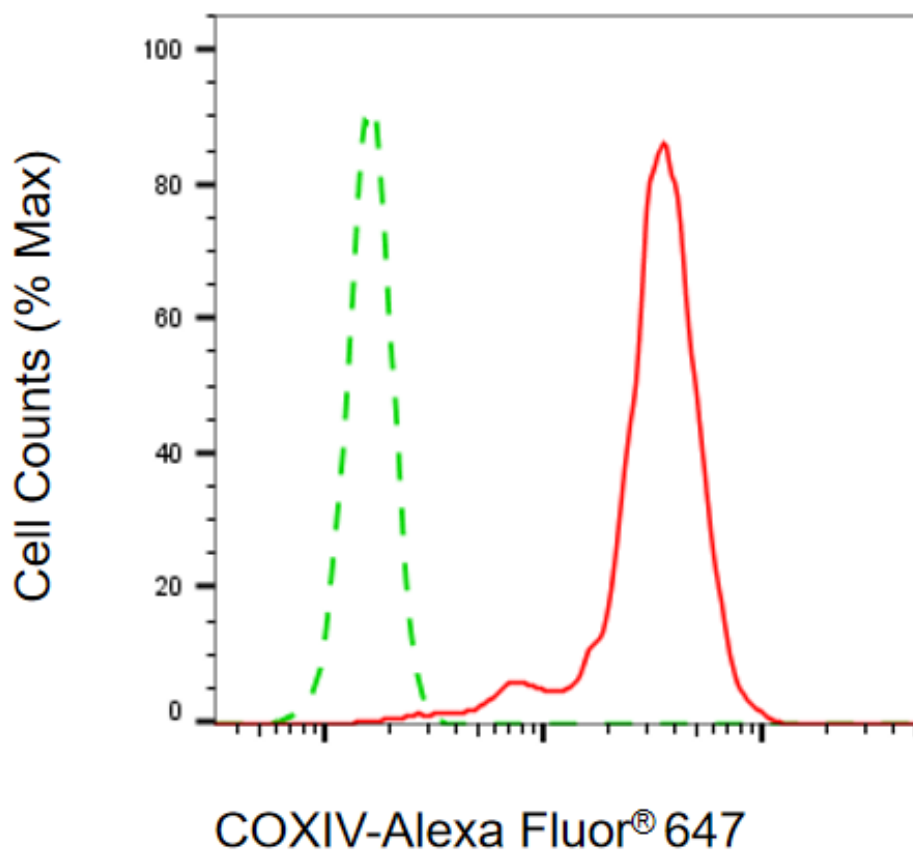
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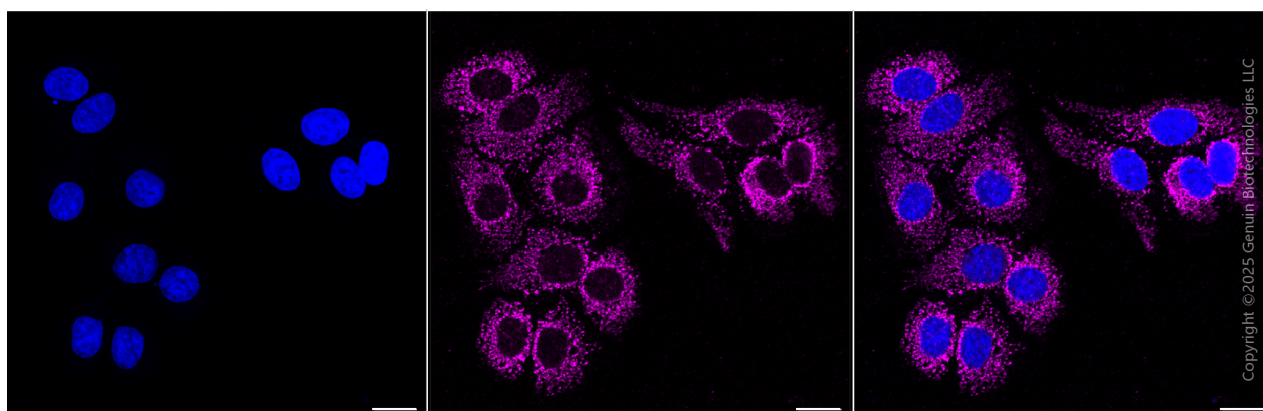
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Flow cytometric analysis of COXIV expression in HepG2 cells using anti-COXIV antibody (Cat#3941, 1:2,000). Green, isotype control; red, COXIV.



Immunocytochemical staining of HepG2 cells with anti-COXIV antibody (Cat#3941, 1:1,000). Nuclei were stained blue with DAPI; COXIV 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.

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