

# Anti-COX IV Recombinant Rabbit Monoclonal Antibody



**Catalog #: 4057**

## 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: 24GB9375

Species Reactivity: Human, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunohistochemistry (IHC)

## 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

Immunohistochemistry (IHC): 1:50-1:100

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### ORDERS

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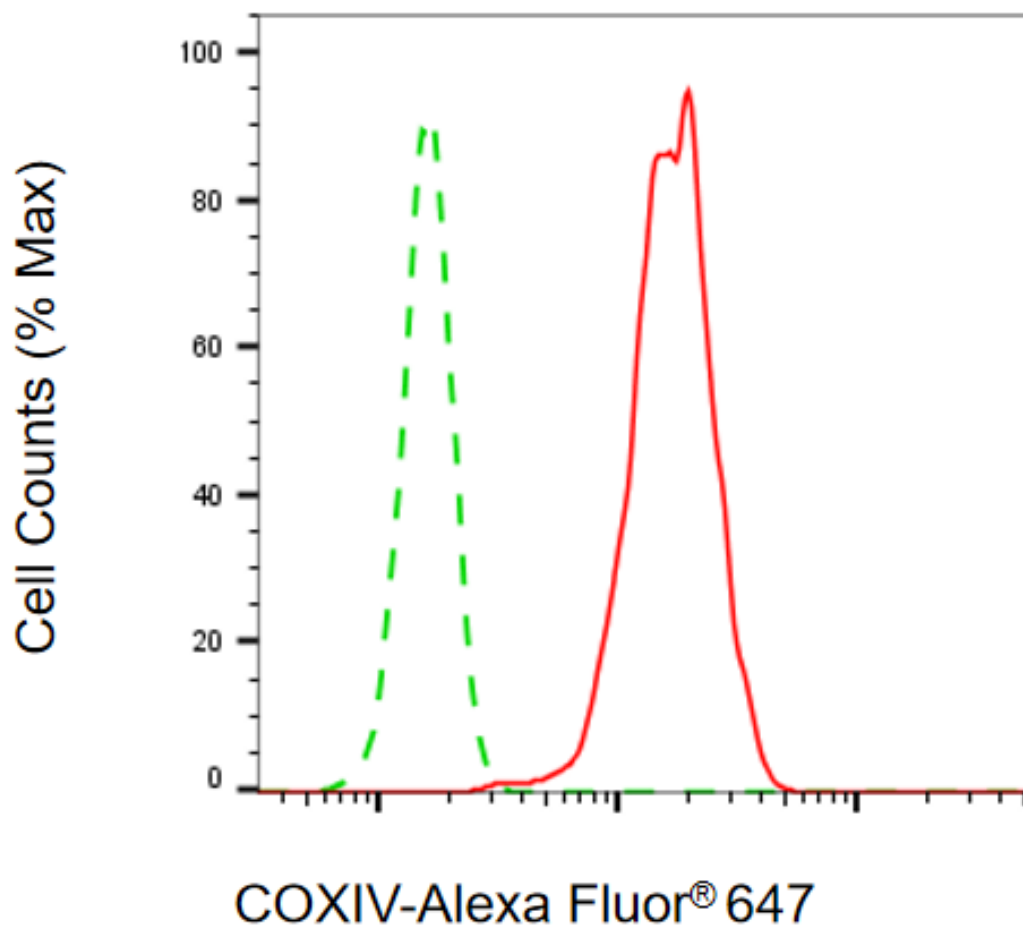
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**Note:** This product is for research use only.

## Validation Data



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Flow cytometric analysis of COXIV expression in HepG2 cells using anti-COXIV antibody (Cat#4057, 1:2,000). Green, isotype control; red, COXIV.

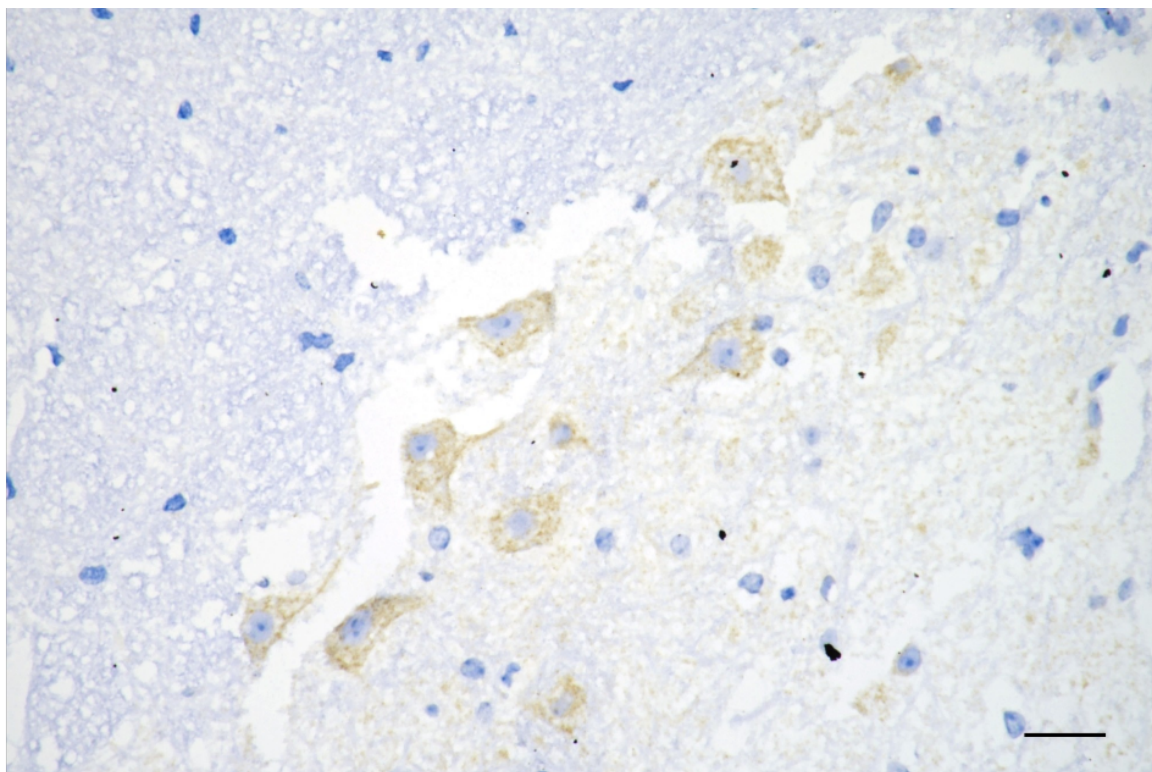
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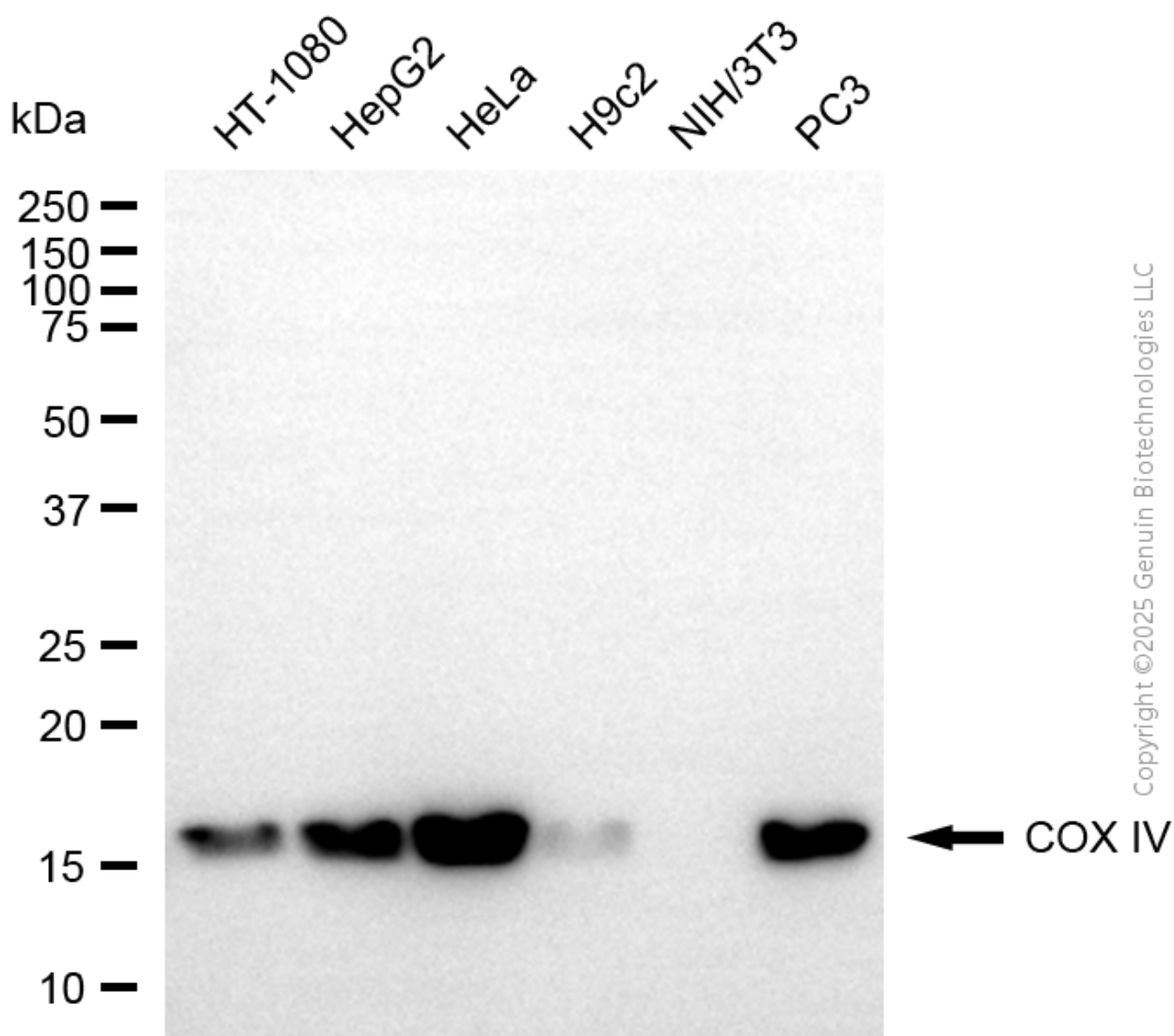
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Immunohistochemistry was performed on paraffin-embedded mouse brain using anti-COX IV antibody (Cat#4057, 1:100). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 μm.



Western blotting analysis using anti-COXIV antibody (Cat#4057). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-COXIV antibody (Cat#4057, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).