

KD-Validated Anti-COX5B Rabbit Monoclonal Antibody



Catalog #: 65203

Aliases

COX5B; Cytochrome C Oxidase Subunit 5B; Cytochrome C Oxidase Subunit 5B, Mitochondrial; Cytochrome C Oxidase Subunit Vb; Cytochrome C Oxidase Polypeptide VB, Mitochondrial; Epididymis Secretory Sperm Binding Protein; Cytochrome C Oxidase Polypeptide Vb; COXVB

Background

Gene Name: COX5B

NCBI Gene Entry: [1329](#)

UniProt Entry: [P10606](#)

Application Information

Molecular Weight: Predicted, 14 kDa; observed, 14 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 25GB140

Species Reactivity: Human, mouse, rat

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

Immunogen

A synthesized peptide derived from human COX5B

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): 1:1,000

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

Note: This product is for research use only.

SUPPORT

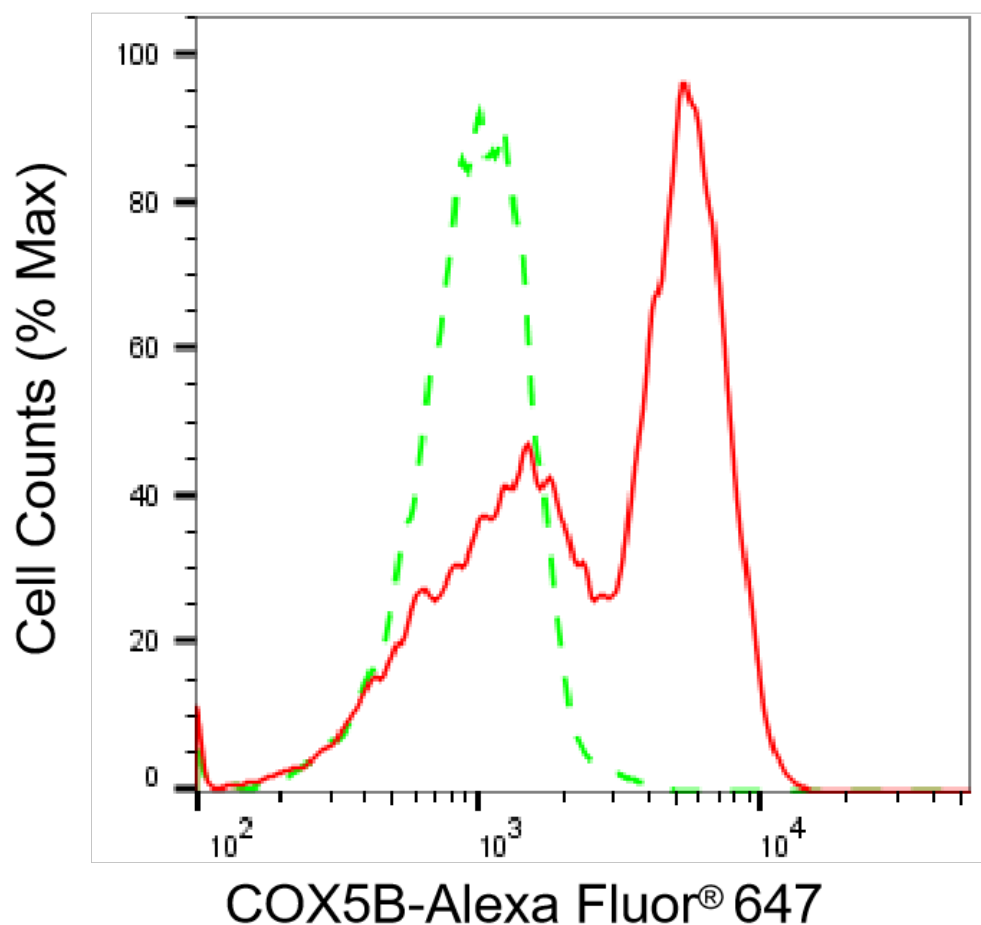
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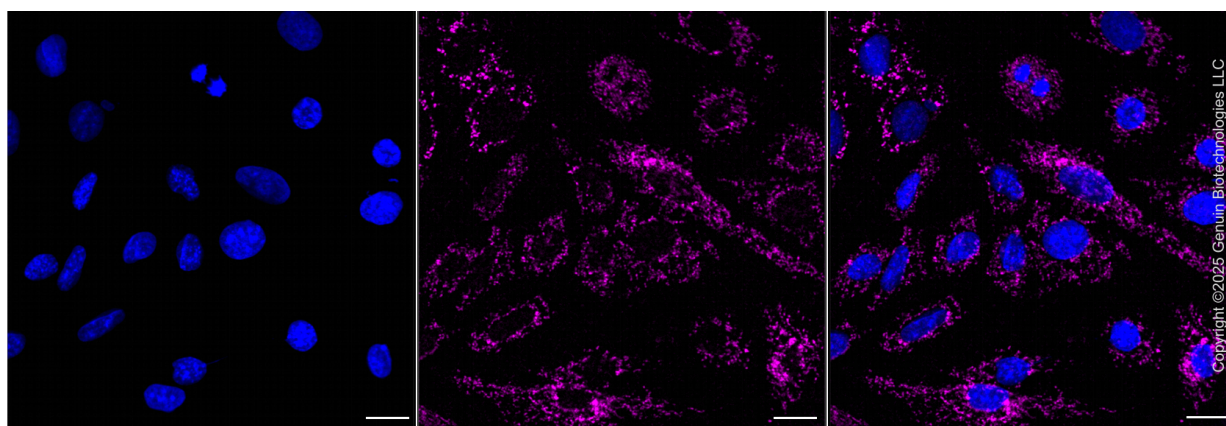
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Validation Data



Flow cytometric analysis of COX5B expression in H9c2 cells using anti-COX5B antibody (Cat#65203, 1:2,000). Green, isotype control; red, COX5B.



Immunocytochemical staining of H9C2 cells with anti-COX5B antibody (Cat#65203, 1:1,000) . Nuclei were stained blue with DAPI; COX5B was stained magenta with Alexa Fluor® 647.

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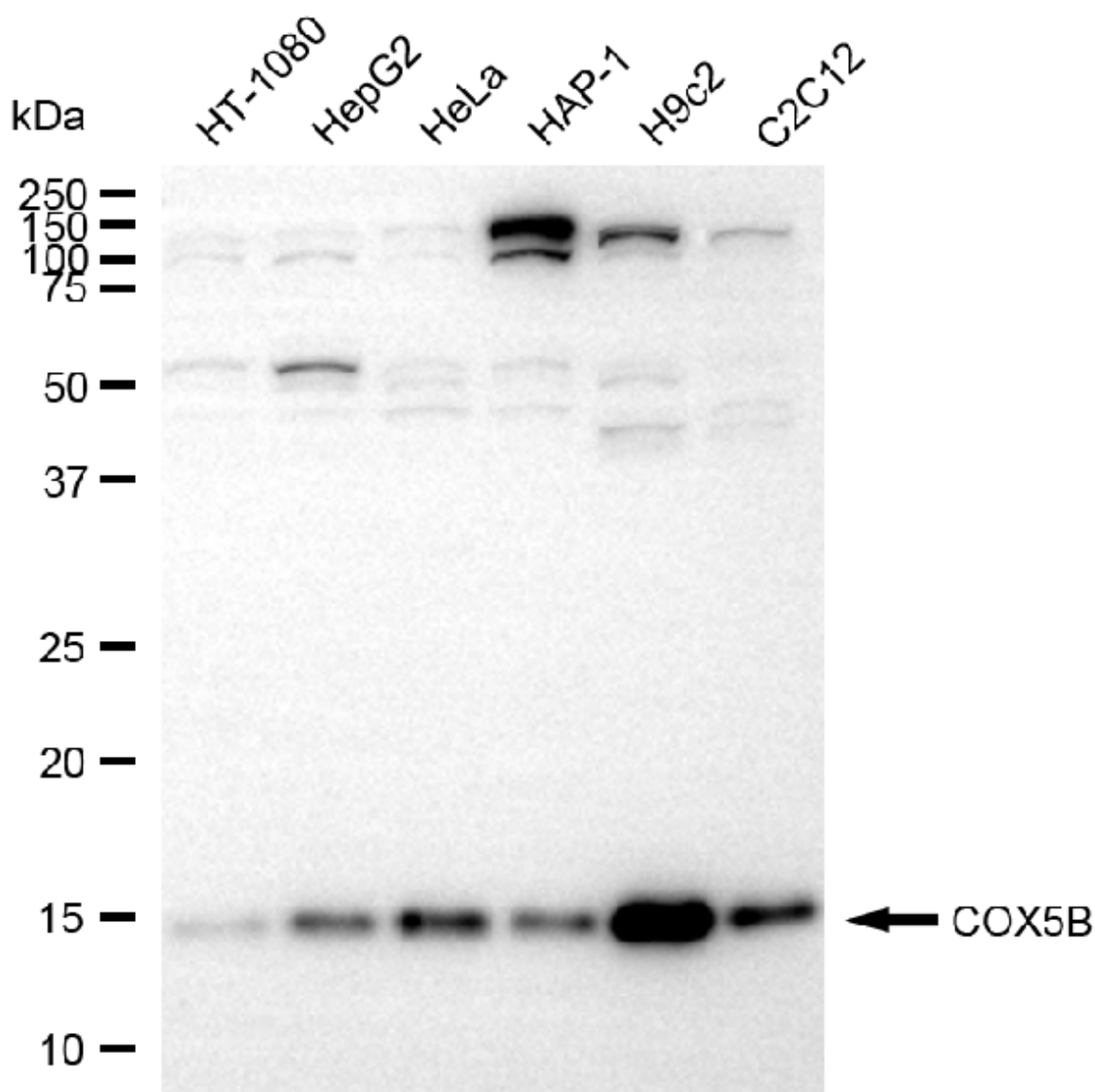
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Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.



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Western blotting analysis using anti-COX5B antibody (Cat#65203). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-COX5B antibody (Cat#65203, 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).

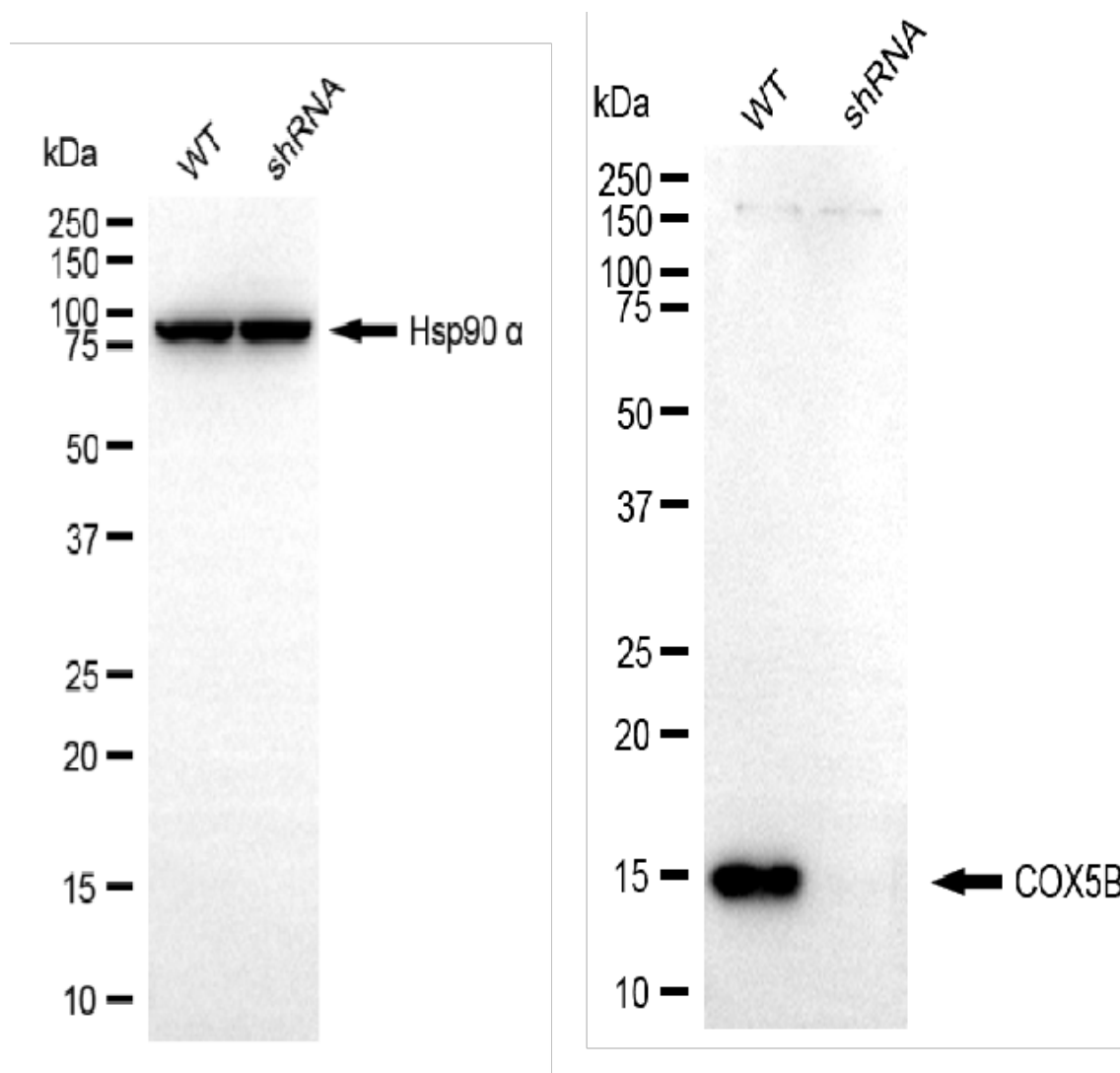
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Western blotting analysis using anti-COX5B antibody (Cat#65203). COX5B expression in wild-type (WT) and COX5B shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-COX5B antibody (Cat#65203, 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).