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Datasheet for ABIN7303608 anti-COX4I2 antibody

3 Images



Overview

| Quantity: | 100 μL |
|--------------|--|
| Target: | COX4I2 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This COX4I2 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), Immunochromatography (IC) |

Product Details

| Immunogen: | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human COX4-2. |
|------------------|--|
| Specificity: | Recognizes endogenous levels of COX4-2 protein. |
| Characteristics: | Rabbit polyclonal antibody to COX4-2 |
| Purification: | The antibody was purified by affinity chromatography. |

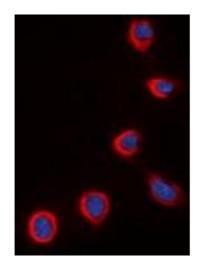
Target Details

| Target: | COX4I2 |
|-------------------|---|
| Alternative Name: | COX4-2 (COX4I2 Products) |
| Background: | COX4L2, Cytochrome c oxidase subunit 4 isoform 2, mitochondrial, Cytochrome c oxidase |
| | subunit IV isoform 2, COX IV-2 |

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| Target Details | |
|--|---|
| Gene ID: | 84701, 84682, 84683 |
| UniProt: | Q96KJ9, Q91W29, Q91Y94 |
| Pathways: | Proton Transport |
| Application Details | |
| Application Notes: | WB (1:500 - 1:2000), IH (1:50 - 1:200), IF/IC (1:50 - 1:100) |
| Restrictions: | For Research Use only |
| Handling | |
| | |
| Format: | Liquid |
| Format: Buffer: | Liquid Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide. |
| | Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and |
| Buffer: | Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide. |
| Buffer: Preservative: | Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide. Sodium azide This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which |
| Buffer: Preservative: Precaution of Use: | Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide. Sodium azide This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

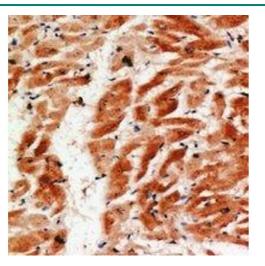
Images

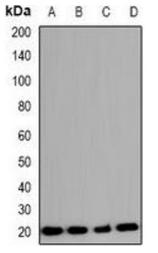


Immunofluorescence

Image 1. Immunofluorescent analysis of COX4-2 staining in K562 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody

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Immunohistochemistry

Image 2. Immunohistochemical analysis of COX4-2 staining in human heart formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the

Western Blotting

Image 3. Western blot analysis of COX4-2 expression in A549 (A), K562 (B), mouse lung (C), rat lung (D) whole cell lysates.

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