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Datasheet for ABIN7249536

anti-COX IV antibody

5 Images

Overview

Quantity:	200 µL
Target:	COX IV (COX4I1)
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX IV antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant protein corresponding to Mouse COX IV
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	COX IV (COX4I1)
Alternative Name:	COX4I1 (COX4I1 Products)
Background:	COX4I1, also named as COX4 and COXIV-1, belongs to the cytochrome c oxidase IV family. It is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. COX4I1 is a marker for mitochondria. It has two isoforms (isoform 1 and 2). Isoform 1 (COX4I1) is ubiquitously expressed and isoform 2 is highly

Target Details

expressed in lung tissues. COX4I1 is commonly used as a loading control. This antibody is specific to COX4I1 and do not cross reacts with COX4I2.

Molecular Weight: Observed_MW: 16 kDa
Calculated_MW: 16 kDa

UniProt: [P13073](#), [P19783](#), [P10888](#)

Pathways: [Proton Transport](#)

Application Details

Application Notes: WB 1:500-1:2000, IHC 1:200-1:800, IF 1:200-1:500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.82 mg/mL

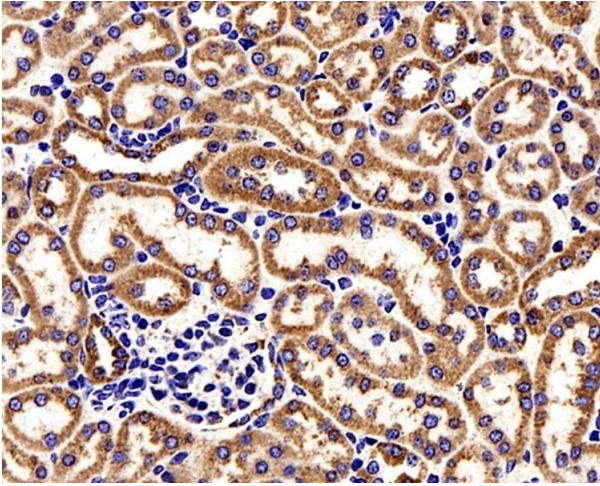
Buffer: PBS with 0.02 % sodium azide, 1 % BSA and 50 % glycerol, pH 7.4

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

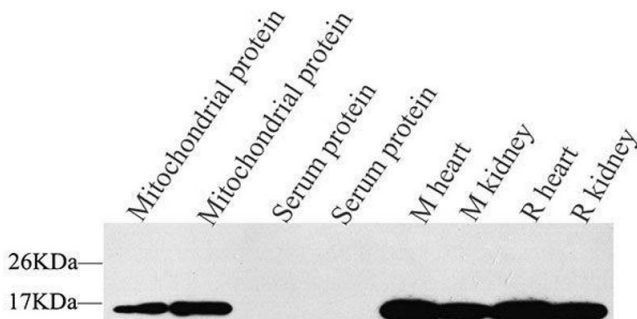
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



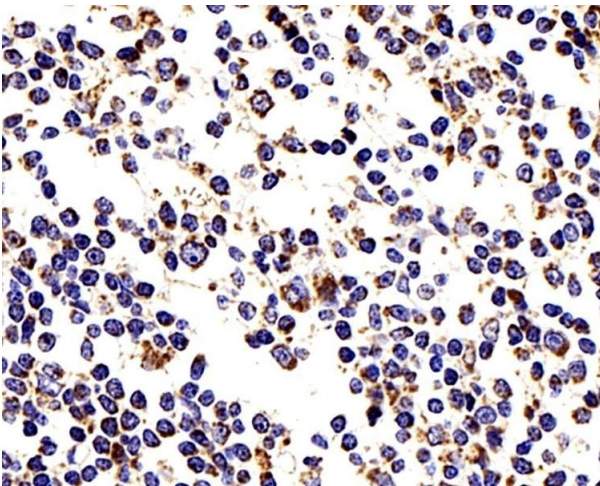
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis of paraffin-embedded Mouse kidney cancer using COX4I1 Polyclonal Antibody at dilution of 1:200.



Western Blotting

Image 2. Western Blot analysis of various samples using COX4I1 Polyclonal Antibody at dilution of 1:1500.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry analysis of paraffin-embedded human tonsil using COX4I1 Polyclonal Antibody at dilution of 1:200.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7249536.