

# COX4I1 Monoclonal Antibody

Catalog Number:E-AB-22002

2 Publications

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

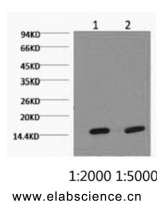
## Description

<b>Reactivity</b>	Human,Mouse,Rat
<b>Immunogen</b>	Recombinant Protein
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Clone</b>	Clone:2D4
<b>Purification</b>	Protein A purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.4

## Applications

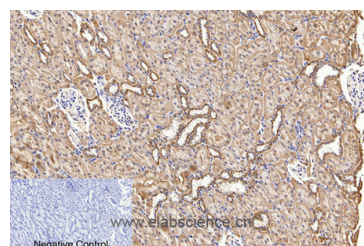
Applications	Recommended Dilution
<b>WB</b>	1:1000-3000
<b>IHC</b>	1:50-300
<b>IF</b>	1:100-1:300

## Data

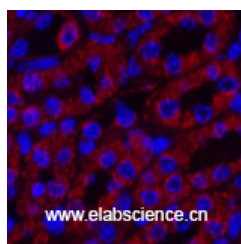


Western Blot analysis of HeLa cells using COX4I1 Monoclonal Antibody at dilution of 1) 1:2000 2) 1:5000.

**Observed Mw:15kDa**  
**Calculated Mw:20kDa**



Immunohistochemistry of paraffin-embedded Rat kidney tissue using COX4I1 Monoclonal Antibody at dilution of 1:200.



Immunofluorescence analysis of Mouse kidney tissue using COX4I1 Monoclonal Antibody at dilution of 1:200.

## Preparation & Storage

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

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Tel: 400-999-2100

Email: [techsupport@elabscience.cn](mailto:techsupport@elabscience.cn)

Web: [www.elabscience.cn](http://www.elabscience.cn)

## Background

Cytochrome c oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer and proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit IV isoform 1 of the human mitochondrial respiratory chain enzyme. It is located at the 3' of the NOC4 (neighbor of COX4) gene in a head-to-head orientation, and shares a promoter with it.

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Tel: 400-999-2100

Email: [techsupport@elabscience.cn](mailto:techsupport@elabscience.cn)

Web: [www.elabscience.cn](http://www.elabscience.cn)