

## Recombinant COX IV Monoclonal Antibody

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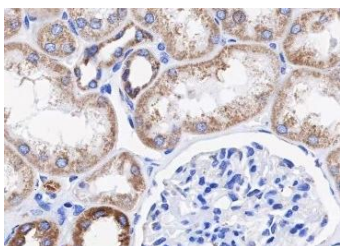
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Human;Rat;Mouse
<b>Immunogen</b>	Recombinant human COX IV fragment
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG, κ
<b>Clone</b>	A482
<b>Purification</b>	Protein A purified
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications Recommended Dilution

<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:100-1:500
<b>FCM</b>	1:50-1:100
<b>IP</b>	1:25-1:50



Immunohistochemistry of paraffin-embedded Human kidney  
using COX IV Monoclonal Antibody at dilution of 1:500.

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	Ice bag

### Background

Cytochrome c oxidase IV (COX4) is component of the cytochrome c oxidase, the last enzyme in the mitochondrial electron transport chain which drives oxidative phosphorylation. COX4 is a nuclear-encoded subunit of COX that may play a role in regulating COX activity. COX4 is expressed ubiquitously in adult human tissue with the strongest levels of expression in the pancreas and moderate expression levels in heart, skeletal muscle and placenta.

### For Research Use Only