



# COX IV Monoclonal Antibody(6C8), Cy3 Conjugated

<b>Catalog No</b>	YP-Ab-04528
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB;IHC;IF;
<b>Gene Name</b>	COX4I1
<b>Protein Name</b>	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial
<b>Immunogen</b>	
<b>Specificity</b>	COX IV Monoclonal Antibody(6C8) Cy3 Conjugated specially designed for your Immunofluorescence analysis.
<b>Formulation</b>	Liquid in PBS, pH 7.4, containing 0.02% sodium azide as preservative and 50% Glycerol.
<b>Source</b>	Monoclonal, Mouse IgG1
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
<b>Dilution</b>	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: IHC 1:50-300, IF 1:200 .
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	COX4I1
<b>Observed Band</b>	
<b>Cell Pathway</b>	Mitochondrion inner membrane ; Single-pass membrane protein .
<b>Tissue Specificity</b>	Ubiquitous.
<b>Function</b>	function:This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.,similarity:Belongs to the cytochrome c oxidase IV family.,tissue specificity:Ubiquitous.,
<b>Background</b>	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. Pseudogenes related to this gene are located on chromosomes

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images