



# Cytochrome c1 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-00366
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	CYC1
<b>Protein Name</b>	Cytochrome c1 heme protein mitochondrial
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CYC1. AA range:132-181
<b>Specificity</b>	Cytochrome c1 Monoclonal Antibody detects endogenous levels of Cytochrome c1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	CYC1; Cytochrome c1; heme protein, mitochondrial; Complex III subunit 4; Complex III subunit IV; Cytochrome b-c1 complex subunit 4; Ubiquinol-cytochrome-c reductase complex cytochrome c1 subunit; Cytochrome c-1
<b>Observed Band</b>	35kD
<b>Cell Pathway</b>	Mitochondrion inner membrane ; Single-pass membrane protein .
<b>Tissue Specificity</b>	Brain,Kidney,Lung,Skin,
<b>Function</b>	function:This is the heme-containing component of the cytochrome b-c1 complex, which accepts electrons from Rieske protein and transfers electrons to cytochrome c in the mitochondrial respiratory chain.,PTM:binds 1 heme group per subunit.,similarity:Belongs to the cytochrome c family.,subunit:The bc1 complex contains 11 subunits: 3 respiratory subunits (cytochrome b, cytochrome c1 and Rieske/UQCRC1/QCR1 and UQCRC2/QCR2) and 6 low-molecular weight proteins (UQCRH/QCR6, UQCRB/QCR7, UQCRQ/QCR8, UQCR10/QCR9, UQCR11/QCR10 and a cleavage product of Rieske/UQCRC1/QCR1).



## Background

This gene encodes a subunit of the cytochrome bc1 complex, which plays an important role in the mitochondrial respiratory chain by transferring electrons from the Rieske iron-sulfur protein to cytochrome c. Mutations in this gene may cause mitochondrial complex III deficiency, nuclear type 6. [provided by RefSeq, Dec 2013],

## 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

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Western Blot analysis of various cells using  
Cytochrome c1 Monoclonal Antibody

