

# IHC*easy* CYC1 Ready-To-Use IHC Kit

Catalog Number: **KHC0245**

## General Information

**Sample type:**  
FFPE tissue

**Cited sample type:**

**Reactivity:**  
Human, Mouse

**Cited Reactivity:**

**Assay type:**  
Immunohistochemistry

**Primary antibody type:**  
Rabbit Polyclonal

**Secondary antibody type:**  
Polymer-HRP-Goat anti-Rabbit

## Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL × 2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

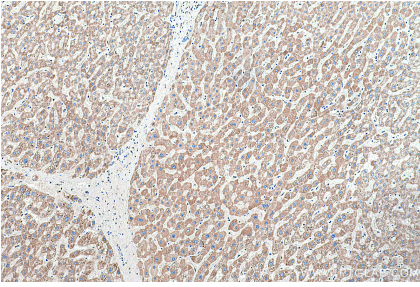
## Background

CYC1, also named as Cytochrome c-1, belongs to the cytochrome c family. Cytochrome c1 is one respiratory subunit of the 11 subunits of the cytochrome bc1 complex of the mitochondrial electron-transfer chain. It mediates the transfer of an electron from Rieske iron-sulfur protein to cytochrome c. CYC1 mediates apoptosis. In this pathway, a variety of apoptotic stimuli cause CYC1 release from mitochondria, which in turn induces a series of biochemical reactions that result in caspase activation and subsequent cell death. While CYC1 release and DNA fragmentation are unaffected by the noncleavable p75 mutant, mitochondrial morphology of dying cells is maintained, and loss of plasma membrane integrity is delayed.

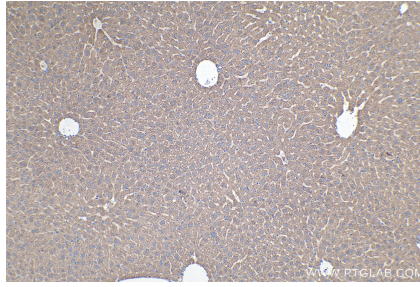
## Synonyms

Complex III subunit 4, Complex III subunit IV, CYC1, cytochrome c 1, UQCR4

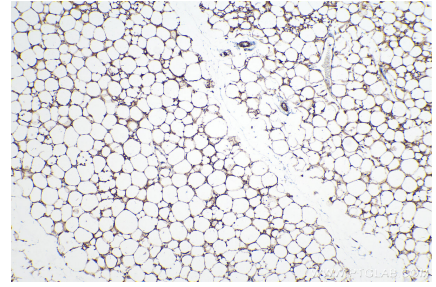
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using KHC0245 (CYC1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using KHC0245 (CYC1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse brown adipose tissue slide using KHC0245 (CYC1 IHC Kit).