

IHCeasy® COXIV Ready-To-Use IHC Kit

Catalog Number: **KHC3182**

General Information

Sample type: FFPE tissue	Assay type: Immunohistochemistry
Cited sample type:	Primary antibody type:
Reactivity: Human, Mouse, Rat	Rabbit Recombinant
Cited Reactivity:	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.

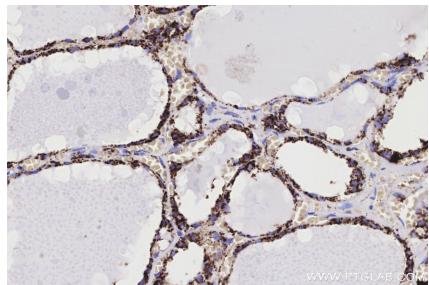
Background

COX4I1, also named as COX4 and COXIV-1, belongs to the cytochrome c oxidase IV family. It is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. COX4I1 is a marker for mitochondria. It has two isoforms (isoform 1 and 2). Isoform 1(COX4I1) is ubiquitously expressed and isoform 2 is highly expressed in lung tissues.

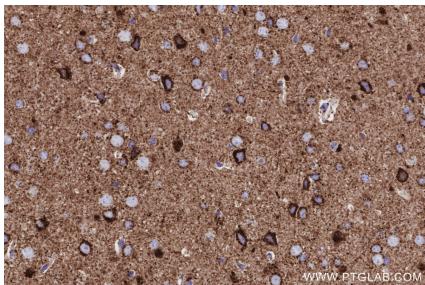
Synonyms

COX4I1, COX IV-1, COX4, Cytochrome c oxidase subunit 4 isoform 1, mitochondrial

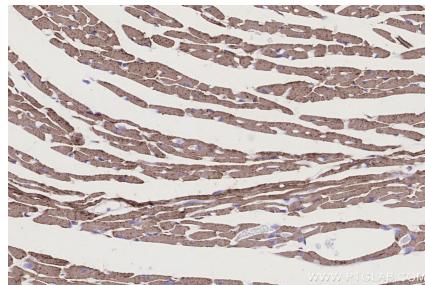
Selected Validation Data



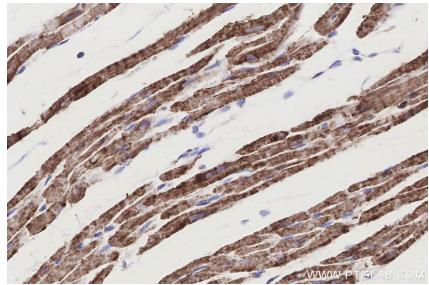
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using KHC3182 (COXIV IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC3182 (COXIV IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using KHC3182 (COXIV IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using KHC3182 (COXIV IHC Kit).