

# IHC*easy* COX5A Ready-To-Use IHC Kit

Catalog Number: **KHC1025**

## General Information

**Sample type:**  
FFPE tissue

**Cited sample type:**

**Reactivity:**  
Human, Mouse, Rat

**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.

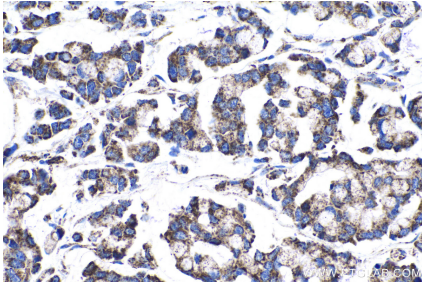
## Background

COX5A (Cytochrome c oxidase subunit 5A, mitochondrial) is also named COXVA and belongs to the cytochrome c oxidase subunit 5A family. This is the heme A-containing chain of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. The mature human COX Va polypeptide shares 35% and 95% protein sequence identity with the corresponding *S. cerevisiae* COX subunit VI and bovine COX Va, respectively.

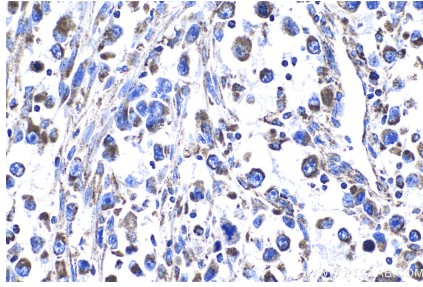
## Synonyms

COX, COX VA, COX5A, VA

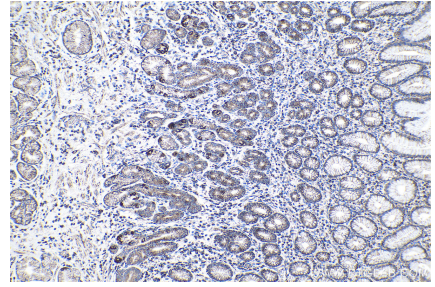
## Selected Validation Data



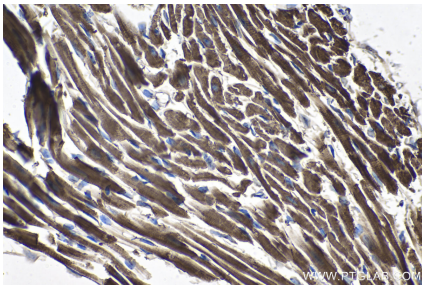
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC1025 (COX5A IHC Kit).



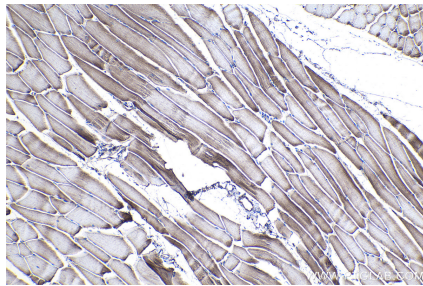
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC1025 (COX5A IHC Kit).



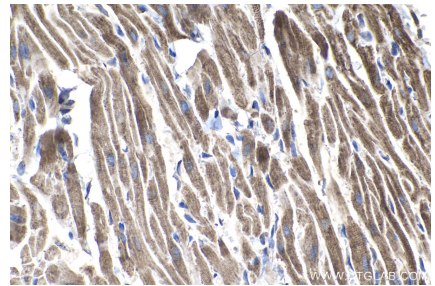
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using KHC1025 (COX5A IHC Kit).



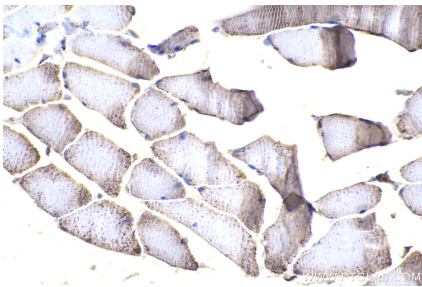
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using KHC1025 (COX5A IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using KHC1025 (COX5A IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using KHC1025 (COX5A IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue slide using KHC1025 (COX5A IHC Kit).