

IHC*easy* ACO2 Ready-To-Use IHC Kit

Catalog Number: **KHC0674**

General Information

Sample type:
FFPE tissue

Cited sample type:

Reactivity:
Human, Mouse, Rat

Cited Reactivity:

Assay type:
Immunohistochemistry

Primary antibody type:
Mouse Monoclonal

Secondary antibody type:
Polymer-HRP-Goat anti-Mouse

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

ACO2 (aconitate hydratase, mitochondrial) is also named as citrate hydro-lyase and belongs to the aconitase/IPM isomerase family. It plays a key function in cellular energy production, and loss of its activity has a major impact on cellular and organismal survival. Defects in ACO2 are the cause of infantile cerebellar-retinal degeneration (ICRD).

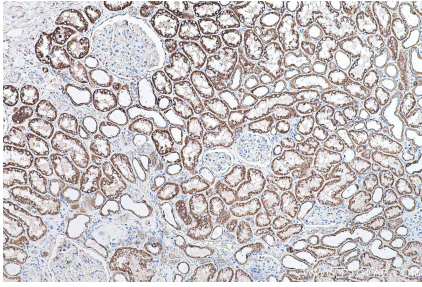
Synonyms

ACO2, Aconitase, aconitase 2, mitochondrial, ACONM, Citrate hydro lyase

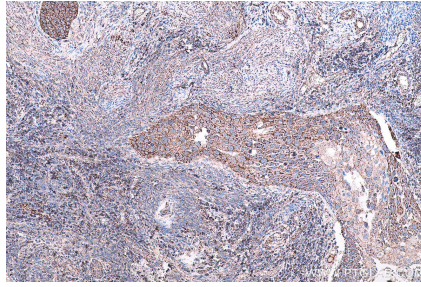
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

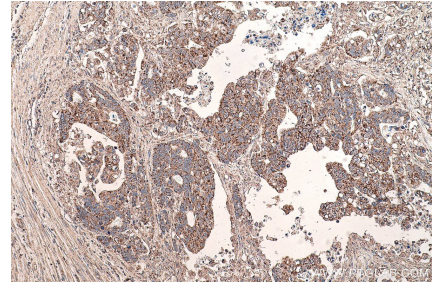
Selected Validation Data



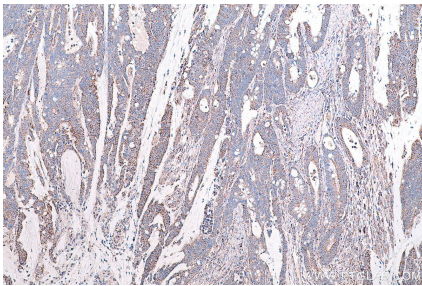
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using KHC0674 (ACO2 IHC Kit).



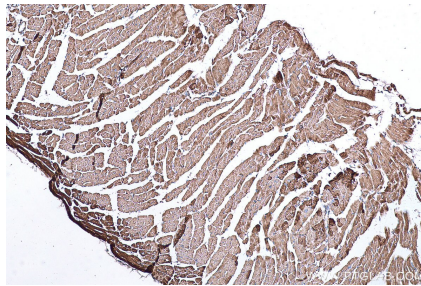
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using KHC0674 (ACO2 IHC Kit).



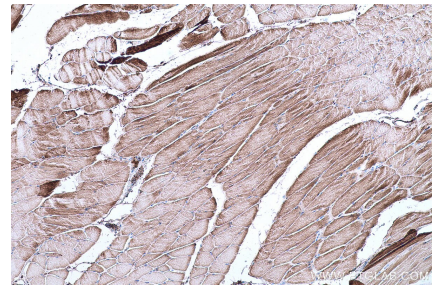
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using KHC0674 (ACO2 IHC Kit).



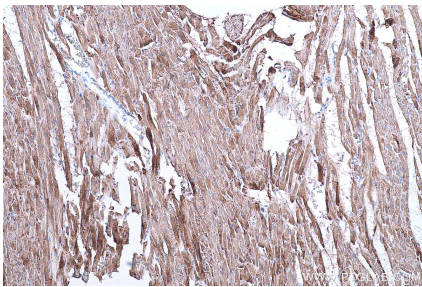
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC0674 (ACO2 IHC Kit).



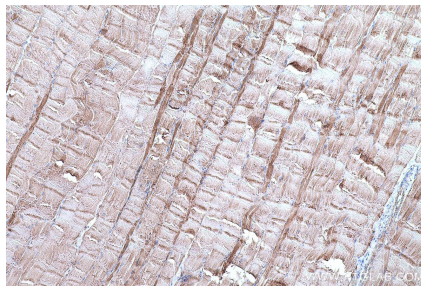
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using KHC0674 (ACO2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using KHC0674 (ACO2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using KHC0674 (ACO2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue slide using KHC0674 (ACO2 IHC Kit).