

IHCeasy[®] ALDH1L2 Ready-To-Use IHC Kit

Catalog Number: **KHC3260**

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.

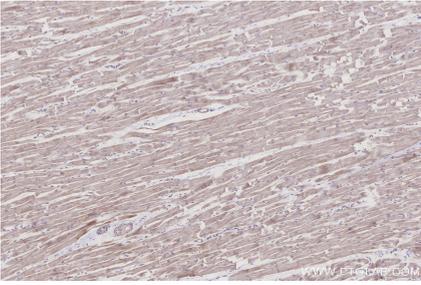
Background

ALDH1L2 (Aldehyde dehydrogenase family 1 member L2) is also named as mitochondrial 10-FTHFDH, mtFDH and belongs to the aldehyde dehydrogenase family and ALDH1L subfamily. It is a mitochondrial enzyme, a likely source of CO₂ production from 10-formyltetrahydrofolate in mitochondria and playing an essential role in the distribution of one-carbon groups between the cytosolic and mitochondrial compartments of the cell. It also has dehydrogenase/hydrolase activities similar to cytosolic FDH (ALDH1L1). The native ALDH1L2 has been reported to exist as a dimer or tetramer.

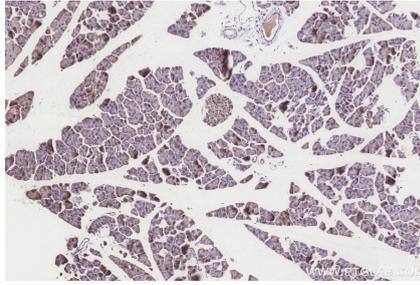
Synonyms

ALDH1L 2, EC:1.5.1.6, Mitochondrial 10-formyltetrahydrofolate dehydrogenase, Mitochondrial 10-FTHFDH, mtFDH

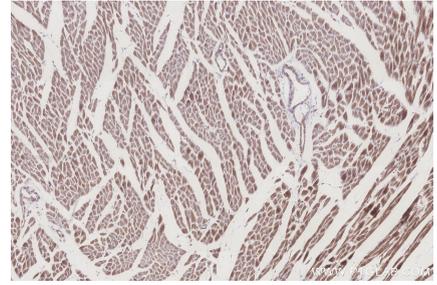
Selected Validation Data



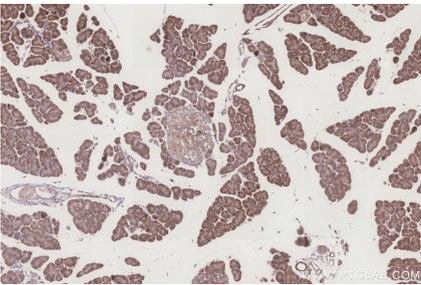
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using KHC3260 (ALDH1L2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using KHC3260 (ALDH1L2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using KHC3260 (ALDH1L2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat pancreas tissue slide using KHC3260 (ALDH1L2 IHC Kit).