

For Research Use Only

IHCeasy ALDH4A1 Ready-To-Use IHC Kit

Catalog Number: KHC0525

General Information

Sample type: FFPE tissue Cited sample type: Reactivity: Human, Mouse, Rat **Cited Reactivity:**

Assay typ 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 Сору	
Manual	1 Сору	

Storage Instructions

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

Background

ALDH4A1(Aldehyde dehydrogenase family 4 member A1) is also named as ALDH4, P5CDH,P5C dehydrogenase and belongs to the aldehyde dehydrogenase family. P5CDH is a mitochondrial matrix NAD(+)-dependent dehydrogenase which catalyzes the second step of the proline degradation pathway, converting pyrroline-5-carboxylate to glutamate. Defects in ALDH4A1 are the cause of hyperprolinemia type 2 (HP-2).

Synonyms

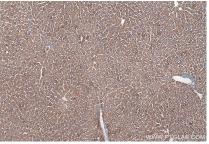
ALDH4, ALDH4A1, P5C dehydrogenase, P5CD, P5CDh, P5CDhL, P5CDhS

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

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

Selected Validation Data

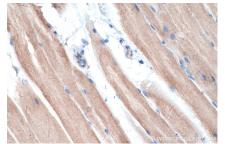




Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using KHC0525 (ALDH4A1 IHC Kit).

Immunohistochemical analysis of paraffinembedded human kidney tissue slide using KHC0525 (ALDH4A1 IHC Kit).

Immunohistochemical analysis of paraffinembedded mouse liver tissue slide using KHC0525 (ALDH4A1 IHC Kit).



Immunohistochemical analysis of paraffinembedded mouse skeletal muscle tissue slide using KHC0525 (ALDH4A1 IHC Kit).



Immunohistochemical analysis of paraffinembedded rat liver tissue slide using KHC0525 (ALDH4A1 IHC Kit).