

IHCeasy[®] ENO1 Ready-To-Use IHC Kit

Catalog Number: **KHC0656**

General Information

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

Assay type:
Immunohistochemistry
Primary antibody type:
Rabbit Recombinant
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.

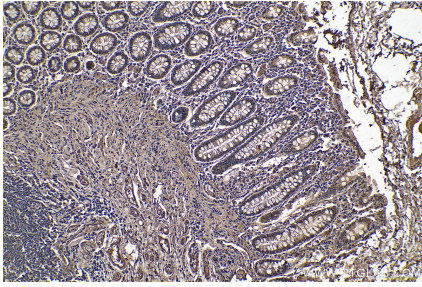
Background

ENO1, also named as NNE, ENO1L1, MBPB1, MPB1 and MBP1, belongs to the enolase family. ENO1 is a metabolic enzyme involved in the synthesis of pyruvate. It also acts as a plasminogen receptor and mediates the activation of plasmin and extracellular matrix degradation. In tumor cells, ENO1 is up-regulated and supports the Warburg effect, it is expressed at the cell surface, where it promotes cancer invasion, and is subjected to a specific array of post-translational modifications, namely acetylation, methylation and phosphorylation. ENO1 overexpression and post-translational modifications could be of diagnostic and prognostic value in many cancer types.

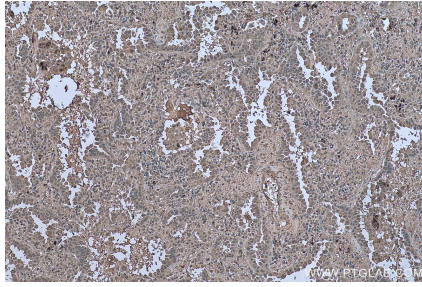
Synonyms

Alpha enolase, C myc promoter binding protein, ENO1, ENO1L1, Enolase 1, enolase 1, (alpha), MBP 1, MBPB1, MPB 1, MPB1, NNE, Non neural enolase, Phosphopyruvate hydratase, Plasminogen binding protein, PPH

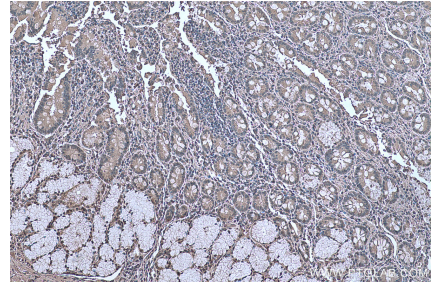
Selected Validation Data



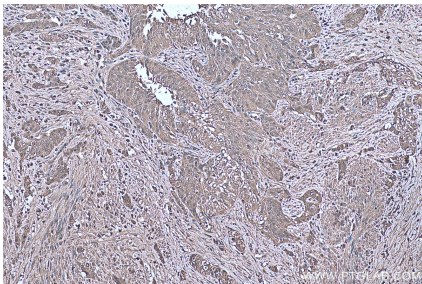
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using KHC0656 (ENO1 IHC Kit).



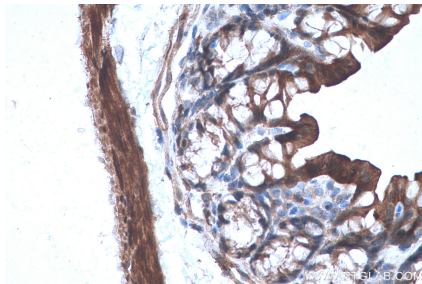
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC0656 (ENO1 IHC Kit).



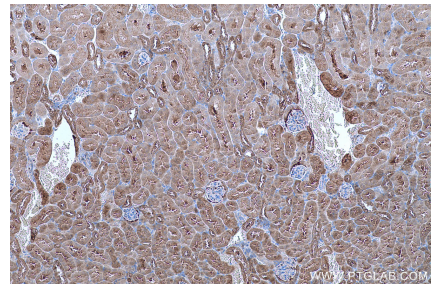
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using KHC0656 (ENO1 IHC Kit).



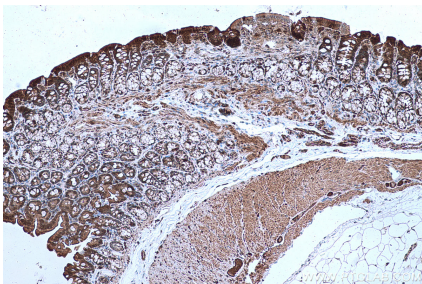
Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using KHC0656 (ENO1 IHC Kit).



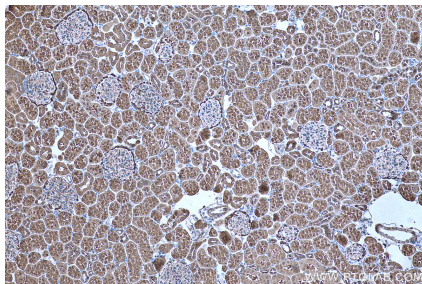
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using KHC0656 (ENO1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC0656 (ENO1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using KHC0656 (ENO1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC0656 (ENO1 IHC Kit).