

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

Catalog Number: **KHC1266**

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.

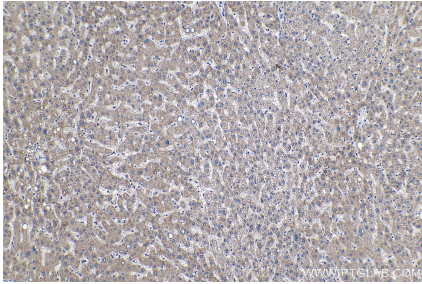
Background

PC(pyruvate carboxylase) is a member of the family of biotin-dependent carboxylases and is found widely among eukaryotic tissues and in many prokaryotic species. It catalyses the ATP-dependent carboxylation of pyruvate to form oxaloacetate which may be utilised in the synthesis of glucose, fat, some amino acids or their derivatives and several neurotransmitters. Diabetes and hyperthyroidism increase the level of expression of pyruvate carboxylase in the long term, while its activity in the short term is controlled by the intramitochondrial concentrations of acetyl-CoA and pyruvate.

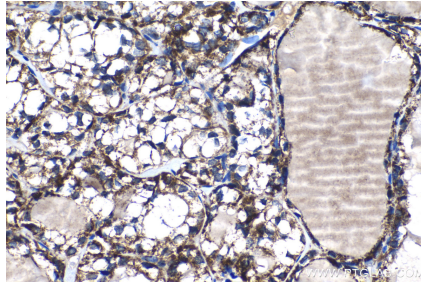
Synonyms

PC, PCB, pyruvate carboxykinase, pyruvate carboxylase, Pyruvic carboxylase

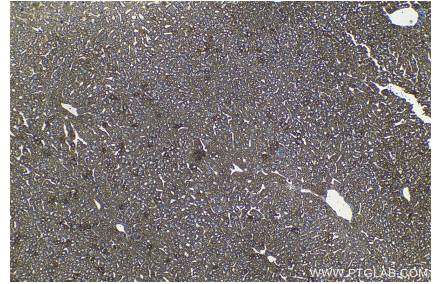
Selected Validation Data



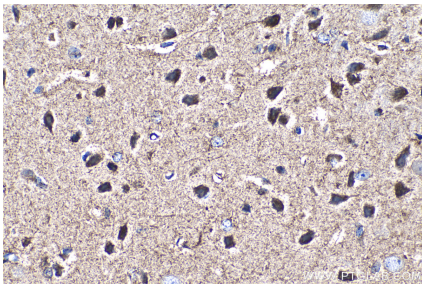
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using KHC1266 (PC IHC Kit).



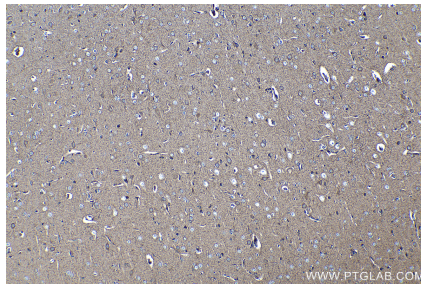
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using KHC1266 (PC IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using KHC1266 (PC IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC1266 (PC IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC1266 (PC IHC Kit).