

# IHC*easy* PDHB Ready-To-Use IHC Kit

Catalog Number: **KHC2178**

## 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.

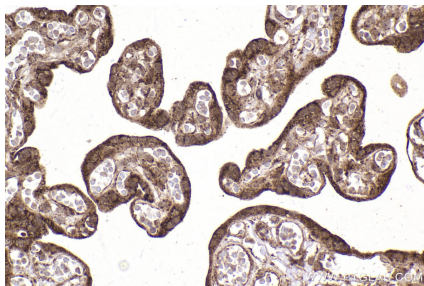
## Background

PDHB (Pyruvate dehydrogenase E1 component subunit beta, mitochondrial) is also named PHE1B. The enzyme, which is found in mitochondria, is one of the component enzymes of the pyruvate dehydrogenase multienzyme complex (PDH). It catalyzes the first reaction of an oxidative decarboxylation sequence converting pyruvate to acetyl-CoA and CO<sub>2</sub>. Defects in PDHB are the cause of pyruvate dehydrogenase E1-beta deficiency (PDHBD).

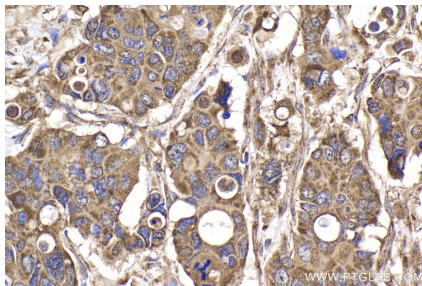
## Synonyms

DKFZp564K0164, PDHB, PDHE1 B, PHE1B

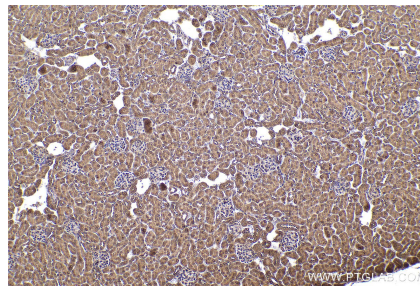
## Selected Validation Data



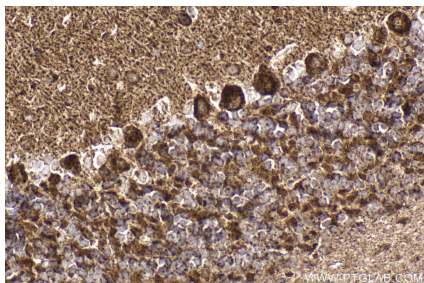
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC2178 (PDHB IHC Kit).



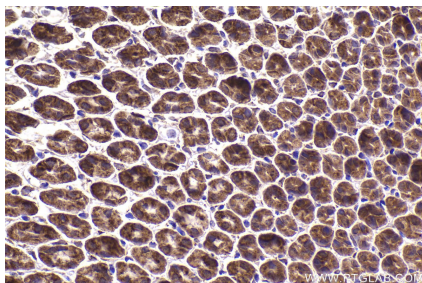
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using KHC2178 (PDHB IHC Kit).



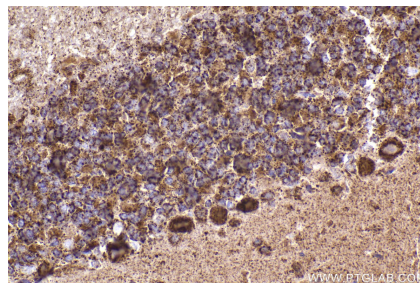
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC2178 (PDHB IHC Kit).



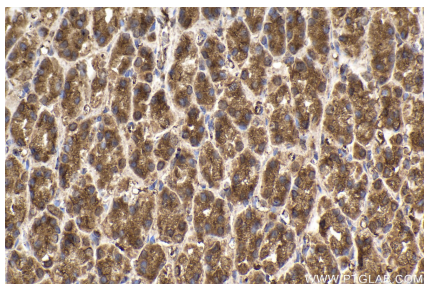
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using KHC2178 (PDHB IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using KHC2178 (PDHB IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue slide using KHC2178 (PDHB IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using KHC2178 (PDHB IHC Kit).