

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

Catalog Number: **KHC1278**

## 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.

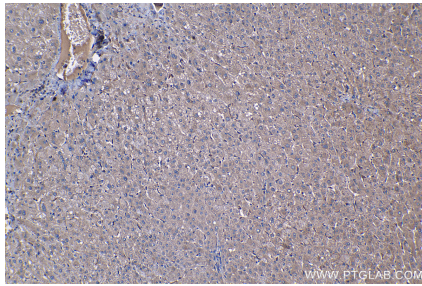
## Background

PFKL (6-phosphofructokinase, liver type) is also named as PFK-B and belongs to the phosphofructokinase family. The PFKL gene encodes the liver isoform of phosphofructokinase (PFK) (ATP:D-fructose-6-phosphate-1-phosphotransferase). PFK catalyzes the irreversible conversion of fructose-6-phosphate to fructose-1,6-bisphosphate and is a key regulatory enzyme in glycolysis. In human beings, PFK exists as a system of three subunits: these are the muscle (PFKM), liver (PFKL), and platelet (PFKP) PFKs.

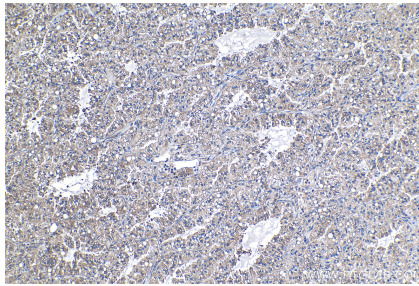
## Synonyms

DKFZp686G1648, DKFZp686L2097, FLJ30173, FLJ40909, PFK B, PFKL, Phosphofructokinase 1, phosphofructokinase, liver, Phosphohexokinase

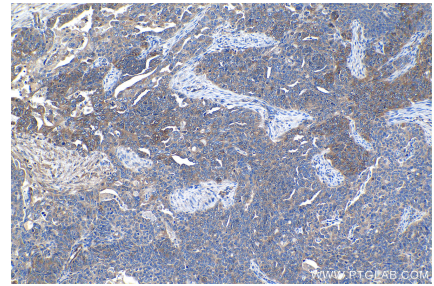
## Selected Validation Data



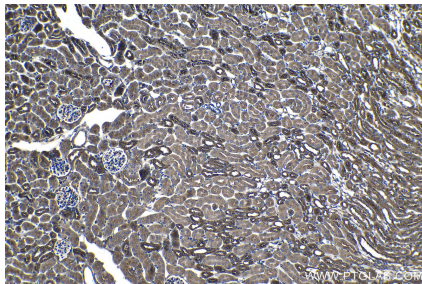
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using KHC1278 (PFKL IHC Kit).



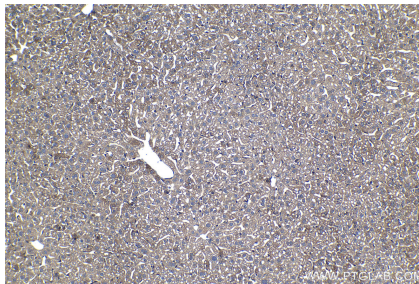
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC1278 (PFKL IHC Kit).



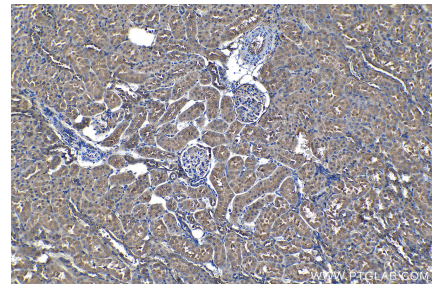
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using KHC1278 (PFKL IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC1278 (PFKL IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using KHC1278 (PFKL IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC1278 (PFKL IHC Kit).