

IHC*easy* PEX5 Ready-To-Use IHC Kit

Catalog Number: **KHC2349**

General Information

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

Assay type:
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 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.

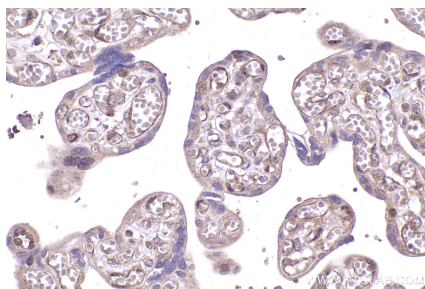
Background

The peroxisomal targeting signal type1 (PTS1) receptor, PEX5, is one member of peroxins (PEXs) which are proteins required for peroxisome assembly. PEX5 and PEX7 function as receptors that recognize PTS1- and PTS2- containing proteins, respectively, and PEX5 binds PTS1 through its C-terminal 40-kDa tetratricopeptide repeat domain. It is a predominantly cytoplasmic, partly peroxisomal protein that appears to shuttle between these compartments as it mediates the import of PTS1-containing proteins. PEX5 has been reported to interact with PEX10, PEX12, PEX13, and PEX14. Defects in PEX5 are a cause of Zellweger syndrome (ZWS), which is a lethal peroxisome biogenesis disorder.

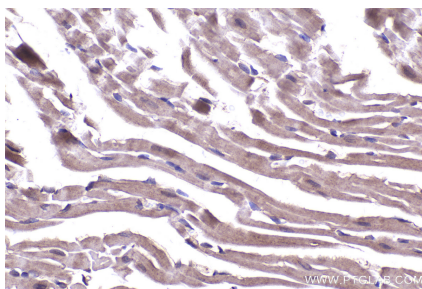
Synonyms

PTS1 BP, PEX, Peroxisome receptor 1, Peroxisomal C-terminal targeting signal import receptor, Peroxin-5

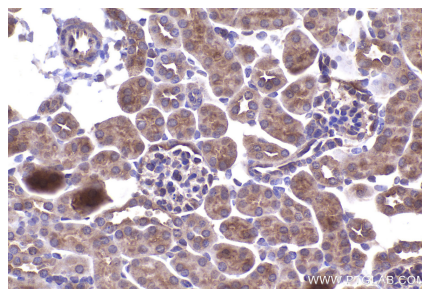
Selected Validation Data



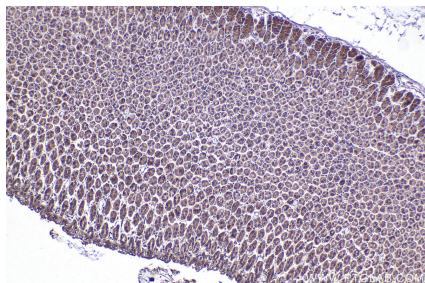
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC2349 (PEX5 IHC Kit).



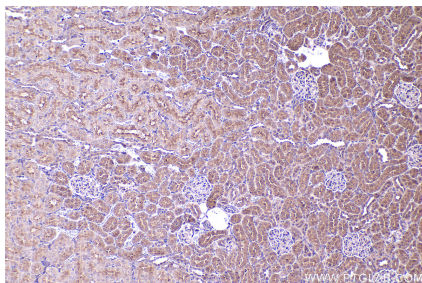
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using KHC2349 (PEX5 IHC Kit).



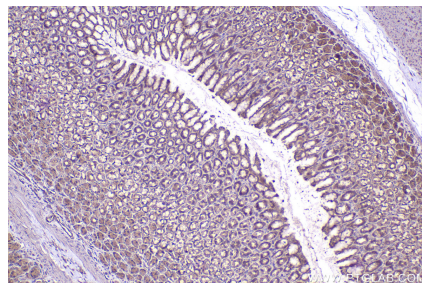
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC2349 (PEX5 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using KHC2349 (PEX5 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC2349 (PEX5 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using KHC2349 (PEX5 IHC Kit).