

For Research Use Only

# PEX1 Polyclonal antibody

Catalog Number: 13669-1-AP

Featured Product

12 Publications



## Basic Information

### Catalog Number:

13669-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 307 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4623

### GenBank Accession Number:

BC035575

### GeneID (NCBI):

5189

### UNIPROT ID:

O43933

### Full Name:

peroxisomal biogenesis factor 1

### Calculated MW:

1283 aa, 143 kDa

### Observed MW:

143 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB: Jurkat cells, HeLa cells

IHC: human liver cancer tissue, human kidney tissue

IF/ICC: HepG2 cells, A431 cells, HeLa cells

## Background Information

Peroxin (PEX) proteins generate and maintain peroxisomes. The peroxin-1 (PEX1) ATPase facilitates the recycling of the peroxisome matrix protein receptor PEX5 and is the most commonly affected peroxin in human peroxisome biogenesis disorders (PMID: 28600347). PEX1 and PEX6 are the only members of the AAA family (for ATPases associated with diverse cellular) activities implicated in peroxisome biogenesis and are closely related to p97, which functions in endoplasmic reticulum-associated protein degradation to retrotranslocate endoplasmic reticulum proteins to the cytosol (PMID: 9695811; 11740563).

## Notable Publications

Author	Pubmed ID	Journal	Application
Catherine Argyriou	34703844	Mol Ther Methods Clin Dev	WB
Amy C Flor	29090099	Cell Death Discov	WB
Gillian E MacLean	30362618	J Cell Biochem	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

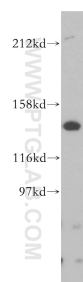
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

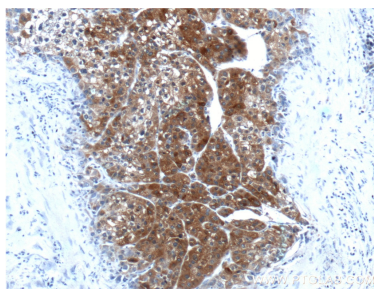
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

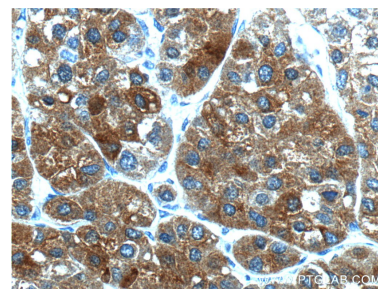
## Selected Validation Data



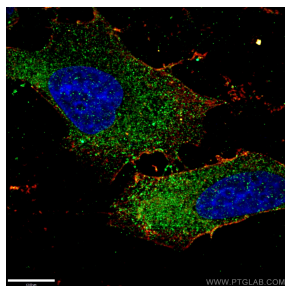
Jurkat cells were subjected to SDS PAGE followed by western blot with 13669-1-AP (PEX1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 13669-1-AP (PEX1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 13669-1-AP (PEX1 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 13669-1-AP (PEX1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).