

For Research Use Only

# PEX5 Monoclonal antibody, PBS Only



Catalog Number: 66309-1-PBS

Featured Product

## Basic Information

Catalog Number:

66309-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG3268

GenBank Accession Number:

BC010621

GeneID (NCBI):

5830

UNIPROT ID:

P50542

Full Name:

peroxisomal biogenesis factor 5

Calculated MW:

631 aa, 70 kDa

Observed MW:

70-80 kDa

Purification Method:

Protein G purification

CloneNo.:

1C2C3

## Applications

Tested Applications:

WB, Indirect ELISA, IHC

Species Specificity:

human, pig, rat

## Background Information

The peroxisomal targeting signal type 1 (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.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

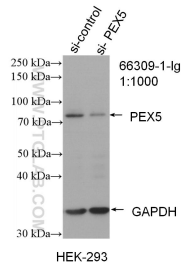
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

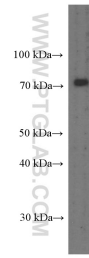
W: [ptgcn.com](http://ptgcn.com)

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

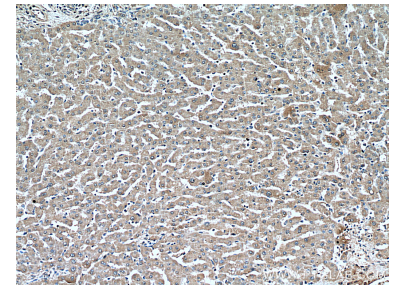
## Selected Validation Data



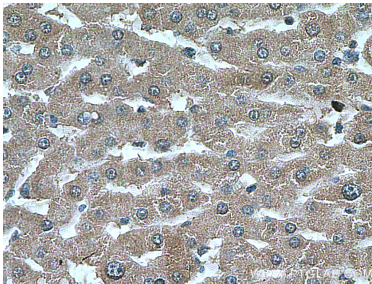
WB result of PEX5 antibody (66309-1-Ig: 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PEX5 transfected HEK-293 cells. This data was developed using the same antibody clone with 66309-1-PBS in a different storage buffer formulation.



pig brain tissue were subjected to SDS PAGE followed by western blot with 66309-1-Ig (PEX5 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66309-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66309-1-Ig (PEX5 Antibody) at dilution of 1:200 (under 10x lens). This data was developed using the same antibody clone with 66309-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66309-1-Ig (PEX5 Antibody) at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 66309-1-PBS in a different storage buffer formulation.