

For Research Use Only

PEX5 Monoclonal antibody, PBS Only



Catalog Number: 66309-1-PBS

Featured Product

Basic Information

Catalog Number:

66309-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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, IHC, Indirect ELISA

Species Specificity:

human, pig, rat

Background Information

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.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

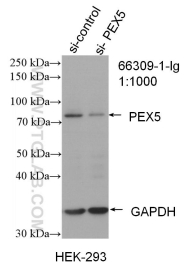
For technical support and original validation data for this product please contact:

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

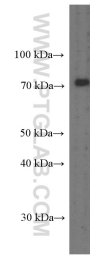
E: proteintech@ptglab.com
W: ptglab.com

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

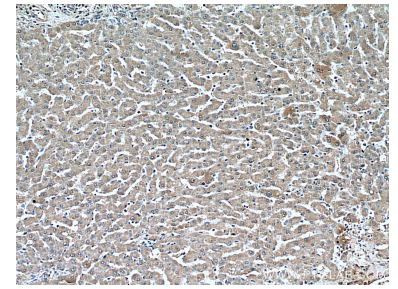
Selected Validation Data



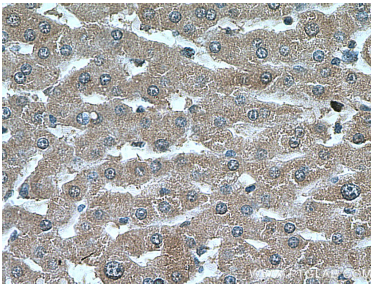
WB result of PEX5 antibody (66309-1-Ig: 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PEX5 transfected HEK-293 cells. This data was developed using the same antibody clone with 66309-1-PBS in a different storage buffer formulation.



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.