

For Research Use Only

PEX5 Monoclonal antibody

Catalog Number: 66309-1-Ig

Featured Product

1 Publications



Basic Information

Catalog Number:

66309-1-Ig

Size:

1500 µg/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

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, pig, rat

Cited Species:

human

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 : pig brain tissue, HEK-293 cells, fetal human brain tissue

IHC : human liver tissue, human kidney tissue

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 tetra-tricopeptide 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Léa P Wilhelm	36215693	EMBO J	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

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

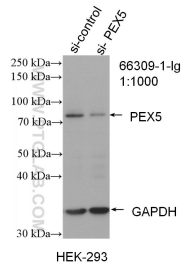
T: 4006900926

E: Proteintech-CN@ptglab.com

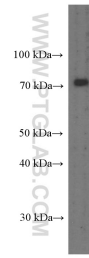
W: ptgcn.com

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

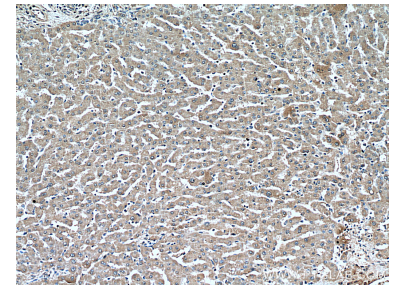
Selected Validation Data



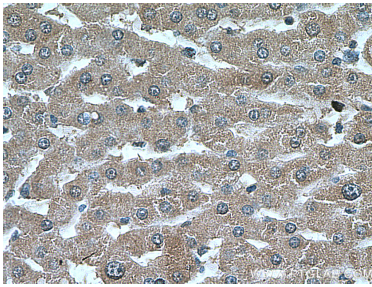
WB result of PEX5 antibody (66309-1-Ig: 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PEX5 transfected HEK-293 cells.



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.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66309-1-Ig (PEX5 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66309-1-Ig (PEX5 Antibody) at dilution of 1:200 (under 40x lens).