

For Research Use Only

Biotin-conjugated PEX14 Polyclonal antibody

Catalog Number: Biotin-10594

Featured Product



Basic Information

Catalog Number:

Biotin-10594

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0932

GenBank Accession Number:

BC006327

GeneID (NCBI):

5195

UNIPROT ID:

O75381

Full Name:

peroxisomal biogenesis factor 14

Calculated MW:

41 kDa

Observed MW:

57 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:200-1:800

IF/ICC 1:50-1:500

Applications

Tested Applications:

IHC, IF/ICC

Species Specificity:

human, mouse, rat, monkey

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:

IHC : mouse liver tissue,

IF/ICC : HepG2 cells,

Background Information

PEX14 (peroxisomal biogenesis factor 14) is a peroxisomal membrane protein that is essential for protein docking onto the peroxisomes. It is a central component of the peroxisomal matrix protein import machinery and interacts with PEX5 and PEX19. PEX14 is ubiquitously expressed and defects in PEX14 are the cause of peroxisome biogenesis disorder complementation group K (PBD-CGK). This antibody can be used to detect endogenous PEX14 with an apparent molecular weight of 57 kDa (PMID: 16449325; 9653144) and recognize peroxisomal structures in human, monkey and mouse cells.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

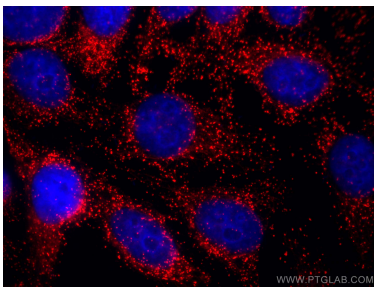
T: 4006900926

E: Proteintech-CN@ptglab.com

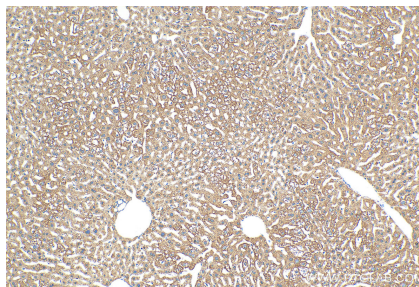
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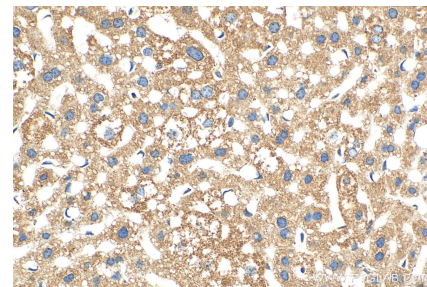
Selected Validation Data



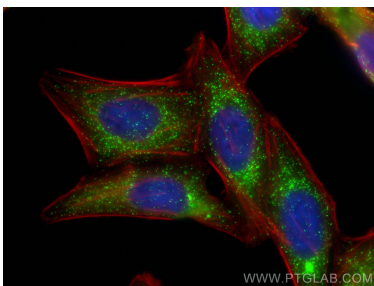
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Biotin PEX14 antibody (Biotin-10594) at dilution of 1:200 and Alexa Fluor 594 Streptavidin.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using Biotin-10594 (PEX14 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using Biotin-10594 (PEX14 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Biotin PEX14 antibody (Biotin-10594) at dilution of 1:200 and Coralite® Plus 488-conjugated Streptavidin (Cat.No. PF00023), CL594-phalloidin (red).