

For Research Use Only

PEX16 Polyclonal antibody

Catalog Number: 14816-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number:

14816-1-AP

Size:

150ul, Concentration: 600 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6566

GenBank Accession Number:

BC000467

GeneID (NCBI):

9409

Full Name:

peroxisomal biogenesis factor 16

Calculated MW:

39 kDa

Observed MW:

38 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IF 1:20-1:200

Applications

Tested Applications:

IF, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human, mouse, rat

Cited Species:

Arabidopsis, human, mouse

Positive Controls:

WB: human liver tissue,

IF: HepG2 cells,

Background Information

Peroxis (PEXs) are proteins that are essential for the assembly of functional peroxisomes. Peroxin 16, also known as PEX16 or Peroxisomal biogenesis factor 16, is a 336 amino acid integral membrane protein that has a critical role in the biogenesis of peroxisomes. PEX16 together with PEX3 and PEX19 are specifically involved in peroxisomal membrane protein (PMP) import. Defects in the gene encoding Peroxin 16 are the cause of multiple peroxisome-related disorders, including Zellweger syndrome (ZWS), neonatal adrenoleukodystrophy (NALD), infantile Refsum disease (IRD), classical rhizomelic chondrodysplasia punctata (RCDP) and peroxisome biogenesis disorder complementation group 9 (PBD-CG9).

Notable Publications

Author	Pubmed ID	Journal	Application
Lingjuan Piao	31530170	Antioxid Redox Signal	WB
Katharina M Walter	25440060	Cell Metab	WB
Weiwei Cui	33731874	Cell Death Differ	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

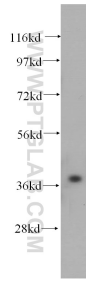
For technical support and original validation data for this product please contact:

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

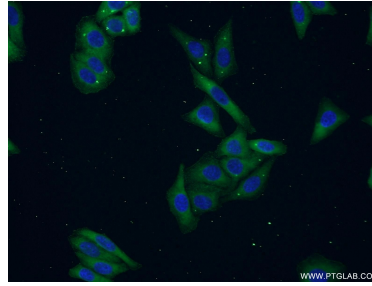
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



human liver tissue were subjected to SDS PAGE followed by western blot with 14816-1-AP (PEX16 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells using 14816-1-AP (PEX16 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).