

# PEX16 Polyclonal antibody

Catalog Number: 14816-1-AP

Featured Product

14 Publications

## Basic Information

**Catalog Number:**

14816-1-AP

**Size:**

600 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG6566

**GenBank Accession Number:**

BC000467

**GeneID (NCBI):**

9409

**UNIPROT ID:**

Q9Y5Y5

**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/ICC, WB, ELISA

**Cited Applications:**

WB, IF, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

Arabidopsis, human, mouse

**Positive Controls:**

WB : human liver tissue,

IF : HepG2 cells,

## Background Information

Peroxisins (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
Ming-Ying Ling	36326546	Arch Biochem Biophys	IHC
Katharina M Walter	25440060	Cell Metab	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

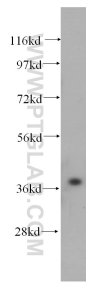
For technical support and original validation data for this product please contact:

T: 4006900926

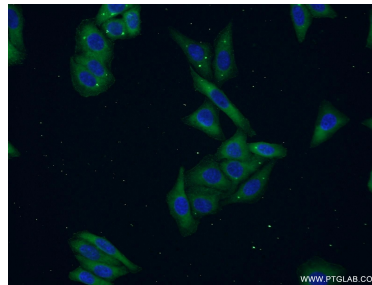
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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## 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).