

For Research Use Only

PEX3 Polyclonal antibody

Catalog Number: 10946-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

10946-1-AP

Size:

150ul, Concentration: 253 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1384

GenBank Accession Number:

BC014551

GeneID (NCBI):

8504

UNIPROT ID:

P56589

Full Name:

peroxisomal biogenesis factor 3

Calculated MW:

42 kDa

Observed MW:

42 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, arabidopsis

Positive Controls:

WB: HeLa cells,

Background Information

Peroxisins (PEXs) are proteins that are essential for the assembly of functional peroxisomes. Peroxin 3, also known as PEX3 (peroxisomal biogenesis factor 3) or TRG18, is a 373 amino acid multi-pass membrane protein that anchored in the peroxisomal membrane and essential for peroxisome biogenesis and integrity. Additionally, Peroxin 3 acts as a docking factor for Peroxin 19 and is required for the import of peroxisomal proteins. Defects in the gene encoding Peroxin 3 are the cause of peroxisome biogenesis disorder complementation group 12 (PBD-CG12) and Zellweger syndrome (ZwS), both of which arise from a failure of peroxisomal protein import.

Notable Publications

Author	Pubmed ID	Journal	Application
Katharina M Walter	25440060	Cell Metab	WB
Weiwei Cui	33731874	Cell Death Differ	WB
Takeshi Terabayashi	35372986	Kidney360	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

*** 20ul sizes contain 0.1% BSA

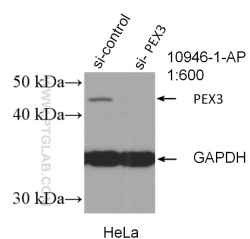
For technical support and original validation data for this product please contact:

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 PEX3 antibody (10946-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-PEX3 transfected HeLa cells.