

For Research Use Only

PEX3 Polyclonal antibody

Catalog Number: 10946-1-AP

Featured Product

7 Publications



Basic Information

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| Catalog Number: 10946-1-AP | GenBank Accession Number: BC014551 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 253 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 8504 | Recommended Dilutions: WB 1:500-1:1000 |
| Source: Rabbit | Full Name: peroxisomal biogenesis factor 3 | |
| Isotype: IgG | Calculated MW: 42 kDa | |
| Immunogen Catalog Number: AG1384 | Observed MW: 42 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : HeLa cells, |
| Cited Applications: IF, WB | |
| Species Specificity: human, mouse, rat | |
| Cited Species: human, Arabidopsis, mouse | |

Background Information

Peroxis (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

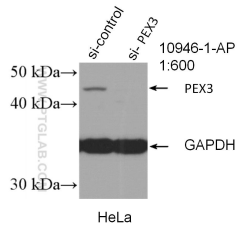
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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

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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.