

For Research Use Only

PEX3 Polyclonal antibody, PBS Only

Catalog Number: 10946-1-PBS

Featured Product



Basic Information

Catalog Number:

10946-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

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

Applications

Tested Applications:

WB, IF-P, ELISA

Species Specificity:

human, mouse, rat

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.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

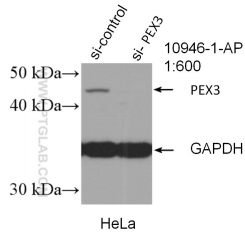
For technical support and original validation data for this product please contact:

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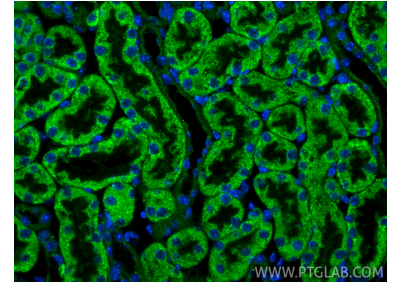
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Selected Validation Data



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. This data was developed using the same antibody clone with 10946-1-PBS in a different storage buffer formulation.

Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using PEX3 antibody (10946-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10946-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse kidney tissue using PEX3 antibody (10946-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10946-1-PBS in a different storage buffer formulation.