

For Research Use Only

CoraLite® Plus 647-conjugated PEX5 Polyclonal antibody



Catalog Number: CL647-12545

Featured Product

Basic Information

Catalog Number: CL647-12545	GenBank Accession Number: BC010621	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5830	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Source: Rabbit	Full Name: peroxisomal biogenesis factor 5	
Isotype: IgG	Calculated MW: 631 aa, 70 kDa	
Immunogen Catalog Number: AG3268	Observed MW: 68-80 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

Background Information

The peroxisomal targeting signal type1 (PTS1) receptor, PEX5, is one member of peroxins (PEXs) which are proteins required for peroxisome assembly. PEX5 and PEX7 function as receptors that recognize PTS1- and PTS2- containing proteins, respectively, and PEX5 binds PTS1 through its C-terminal 40-kDa tetratricopeptide repeat domain. It is a predominantly cytoplasmic, partly peroxisomal protein that appears to shuttle between these compartments as it mediates the import of PTS1-containing proteins. PEX5 has been reported to interact with PEX10, PEX12, PEX13, and PEX14. Defects in PEX5 are a cause of Zellweger syndrome (ZWS), which is a lethal peroxisome biogenesis disorder. This antibody recognizes endogenous PEX5, which migrates with an apparent molecular mass of 80 kDa (PMID: 7790377).

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

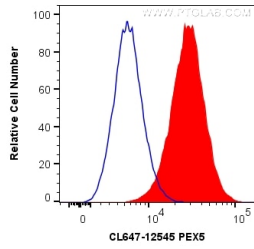
Aliquoting is unnecessary for -20°C storage

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

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human PEX5 (CL647-12545) (red), or 0.2 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).