For Research Use Only

CoraLite®594-conjugated PEX14 Polyclonal antibody

Catalog Number:CL594-10594 Featured Product 10 Publications

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Basic Information

Catalog Number:
CL594-10594

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0932

GenBank Accession Number:
BC006327

GeneID (NCBI):
5195

UNIPROT ID:
O75381

Full Name:
peroxisomal biogenesis factor 14

Calculated MW:
41 kDa

Observed MW:
57 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF/ICC: 1:200-1:800
FC (Intra): 0.80 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
IF/ICC, FC (Intra)

Cited Applications:
IF

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat

Positive Controls:

IF/ICC : HeLa cells,

FC (Intra) : HeLa cells,

Background Information

PEX14 (peroxisomal biogenesis factor 14) is a peroxisomal membrane protein that is essential for protein docking onto the peroxisomes. It is a central component of the peroxisimal matrix protein import machinery and interacts with PEX5 and PEX19. PEX14 is ubiquitously expressed and defects in PEX14 are the cause of peroxisome biogenesis disorder complementation group K (PBD-CGK). This antibody can be used to detect endogenous PEX14 with an apparent molecular weight of 57 kDa (PMID: 16449325; 9653144) and recognize peroxisomal structures in human, monkey and mouse cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Jingyun Liu	36558932	Pharmaceuticals (Basel)	IF
Xianfeng Hui	36402240	Antiviral Res	
Jacinta Correia	40632619	J Gerontol A Biol Sci Med Sci	IF

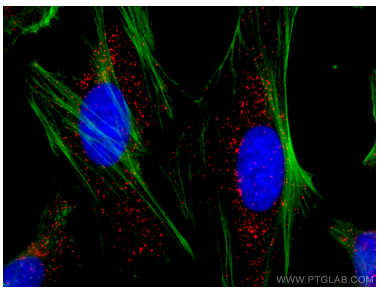
Storage

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, pH7.3
Aliquoting is unnecessary for -20°C storage

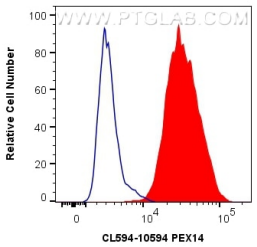
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite®594 PEX14 antibody (CL594-10594) at dilution of 1:400, CoraLite®488 Beta Actin antibody (CL488-66009, Clone: 2D4H5, green).



1X10^6 HeLa cells were intracellularly stained with 0.8 ug CoraLite®594 Anti-Human PEX14 (CL594-10594) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.