

For Research Use Only

# CoraLite® Plus 647-conjugated PEX14 Polyclonal antibody



Catalog Number: CL647-10594

## Basic Information

<b>Catalog Number:</b> CL647-10594	<b>GenBank Accession Number:</b> BC006327	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 5195	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O75381	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> peroxisomal biogenesis factor 14	
<b>Immunogen Catalog Number:</b> AG0932	<b>Calculated MW:</b> 41 kDa	
	<b>Observed MW:</b> 57 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra), IF/ICC	<b>Positive Controls:</b> IF : HeLa cells,
<b>Species Specificity:</b> human, mouse, rat, monkey	

## 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 peroxisomal 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.

## 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

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

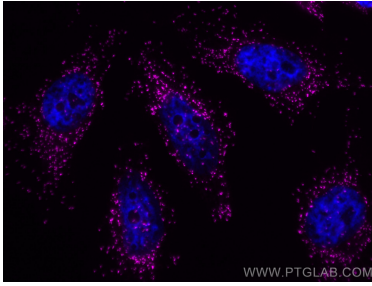
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

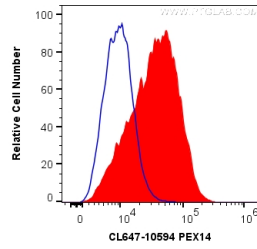
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 647 PEX14 antibody (CL647-10594) at dilution of 1:200, CL594-Phalloidin (red).



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human PEX14 (CL647-10594) (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).