

For Research Use Only

# CoraLite®488-conjugated PEX14 Polyclonal antibody



Catalog Number:CL488-10594

## Basic Information

<b>Catalog Number:</b> CL488-10594	<b>GenBank Accession Number:</b> BC006327	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5195	<b>Recommended Dilutions:</b> IF 1:200-1:800
<b>Source:</b> Rabbit	<b>Full Name:</b> peroxisomal biogenesis factor 14	<b>Excitation/Emission maxima wavelengths:</b> 488 nm/515 nm
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 41 kDa	
<b>Immunogen Catalog Number:</b> AG0932	<b>Observed MW:</b> 57 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra), IF	<b>Positive Controls:</b> IF : HeLa cells, HepG2 cells
<b>Species Specificity:</b> human, mouse, rat	

## 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.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

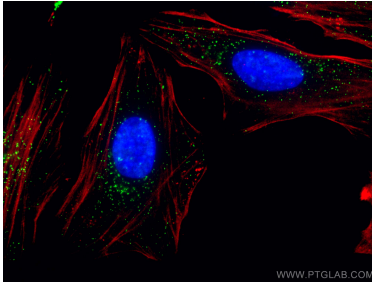
For technical support and original validation data for this product please contact:

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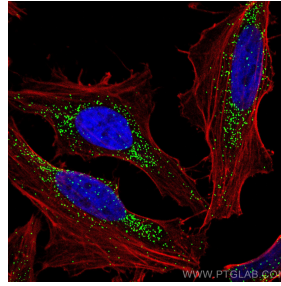
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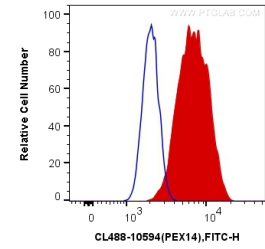
## Selected Validation Data



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



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite®488 PEX14 antibody (CL488-10594) at dilution of 1:400, CoraLite®594 Beta Actin antibody (CL594-66009, Clone: 2D4H5, red).



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite®488 Anti-Human PEX14 (CL488-10594) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).