

For Research Use Only

# CoraLite® Plus 488-conjugated PEX14 (human specific) Recombinant antibody



Catalog Number: **CL488-80196**

## Basic Information

Catalog Number: CL488-80196	GenBank Accession Number: BC006327	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 5195	CloneNo.: 6K5
Source: Rabbit	UNIPROT ID: O75381	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: peroxisomal biogenesis factor 14	
Immunogen Catalog Number: AG0932	Calculated MW: 41 kDa	
	Observed MW: 57 kDa	

## Applications

Tested Applications:  
FC (Intra)

Species Specificity:  
Human

## 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.

This antibody is specific to human PEX14. It can't detect mouse or rat PEX14.

## 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:

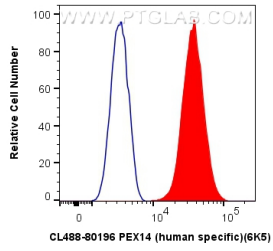
T: 4006900926

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

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

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

## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human PEX14 (human specific) (CL488-80196, Clone:6K5) (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).