

For Research Use Only

CoraLite® Plus 488-conjugated PEX14 Polyclonal antibody



Catalog Number: CL488-10594 **1 Publications**

Basic Information

Catalog Number: CL488-10594	GenBank Accession Number: BC006327	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 5195	Recommended Dilutions: IF 1:200-1:800
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), IF/ICC	Positive Controls: IF : HeLa cells, HepG2 cells
Cited Applications: IF	
Species Specificity: human, mouse, rat	
Cited Species: mouse	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Xuliang Huang	38037161	J Neuroinflammation	IF

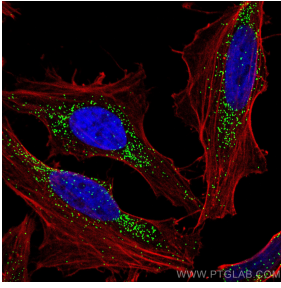
Storage

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, pH 7.3.
Aliquoting is unnecessary for -20°C storage

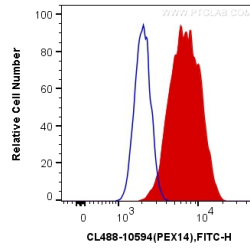
For technical support and original validation data for this product please contact:
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Selected Validation Data



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



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 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).