

For Research Use Only

CoraLite®594-conjugated PEX14 Recombinant antibody



Catalog Number:CL594-80234

Basic Information

Catalog Number: CL594-80234	GenBank Accession Number: BC006327	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 5195	CloneNo.: 7E6
Source: Rabbit	UNIPROT ID: O75381	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG	Full Name: peroxisomal biogenesis factor 14	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG0932	Calculated MW: 41 kDa	
	Observed MW: 57 kDa	

Applications

Tested Applications: FC (Intra), IF/ICC	Positive Controls: IF : HeLa cells,
Species Specificity: Human, 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. 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:

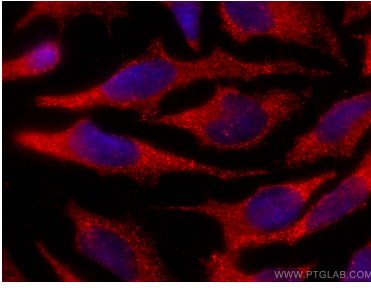
T: 4006900926

E: Proteintech-CN@ptglab.com

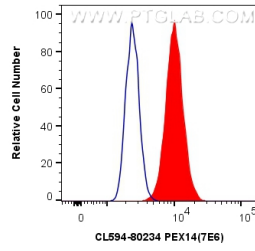
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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite®594 PEX14 antibody (CL594-80234, Clone: 7E6) at dilution of 1:200.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human PEX14 (CL594-80234, Clone:7E6) (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).