

For Research Use Only

CoraLite®594-conjugated PEX14 Polyclonal antibody



Catalog Number:CL594-10594

Basic Information

Catalog Number: CL594-10594	GenBank Accession Number: BC006327	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5195	Recommended Dilutions: IF 1:200-1:800
Source: Rabbit	Full Name: peroxisomal biogenesis factor 14	Excitation/Emission maxima wavelengths: 593 nm/614 nm
Isotype: IgG	Calculated MW: 41 kDa	
Immunogen Catalog Number: AG0932	Observed MW: 57 kDa	

Applications

Tested Applications: FC, IF	Positive Controls: IF : HeLa cells,
Species Specificity: 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

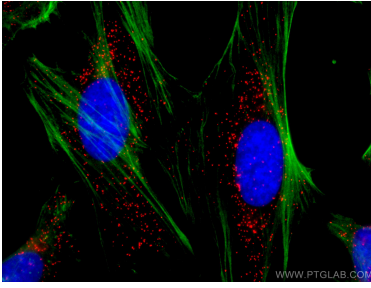
For technical support and original validation data for this product please contact:

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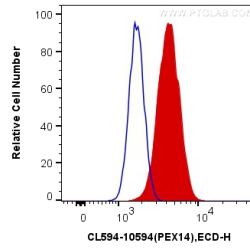
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Selected Validation Data



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



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human PEX14 (CL594-10594) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.