

For Research Use Only

CoraLite® Plus 488-conjugated PEX19 Monoclonal antibody



Catalog Number: CL488-68555

Basic Information

Catalog Number: CL488-68555	GenBank Accession Number: BC000496	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 5824	CloneNo.: 3H2C2
Source: Mouse	UNIPROT ID: P40855	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: peroxisomal biogenesis factor 19	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG6858	Calculated MW: 33 kDa	
	Observed MW: 35-40 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: human, mouse, rat, pig	

Background Information

Peroxis (PEXs) are proteins that are essential for the assembly of functional peroxisomes. PEX19 gene is necessary for early peroxisomal biogenesis. It acts both as a cytosolic chaperone and as an import receptor for peroxisomal membrane proteins (PMPs) (PMID: 14709540). PEX19 may bind newly synthesized PMPs and facilitate their insertion into the peroxisome membrane (PMID: 107044440). The peroxisome biogenesis disorders (PBDs) are a group of genetically heterogeneous autosomal recessive, lethal diseases characterized by multiple defects in peroxisome function. Defects in this gene are a cause of Zellweger syndrome (ZWS), as well as peroxisome biogenesis disorder complementation group 14 (PBD-CG14) (PMID:20683989) (PMID:10051604).

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:

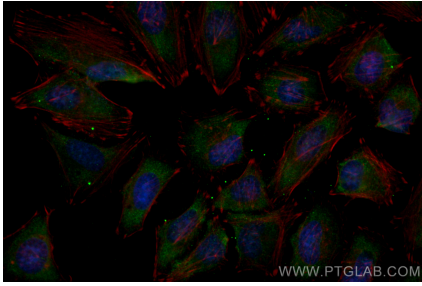
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 PEX19 antibody (CL488-68555, Clone: 3H2C2) at dilution of 1:200.