

For Research Use Only

PEX19 Monoclonal antibody

Catalog Number: 68555-1-Ig



Basic Information

Catalog Number: 68555-1-Ig	GenBank Accession Number: BC000496	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 5824	CloneNo.: 3H2C2
Source: Mouse	UNIPROT ID: P40855	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:200-1:800
Isotype: IgG1	Full Name: peroxisomal biogenesis factor 19	
Immunogen Catalog Number: AG6858	Calculated MW: 33 kDa	
	Observed MW: 35-40 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat, pig	WB : LNCaP cells, HEK-293 cells, HeLa cells, A549 cells, Jurkat cells, K-562 cells, Pig liver tissue, Rat liver tissue, Mouse liver tissue
	IF/ICC : Jurkat cells, HeLa cells

Background Information

Peroxisins (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-C G14) (PMID:20683989) (PMID:10051604).

Storage

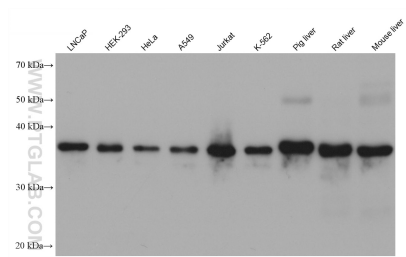
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

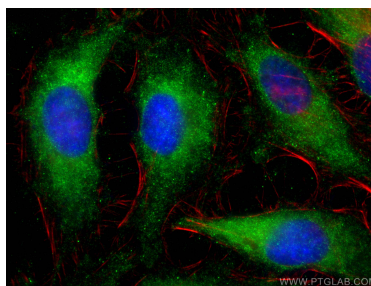
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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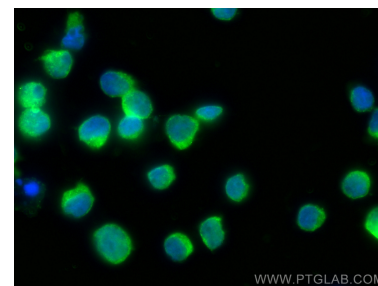
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68555-1-Ig (PEX19 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using PEX19 antibody (68555-1-Ig, Clone: 3H2C2) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using PEX19 antibody (68555-1-Ig, Clone: 3H2C2) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002).