

For Research Use Only

PEX3 Recombinant monoclonal antibody

Catalog Number: 86594-1-RR



Basic Information

Catalog Number: 86594-1-RR	GenBank Accession Number: BC014551	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 8504	CloneNo.: 251383E9
Source: Rabbit	UNIPROT ID: P56589	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG	Full Name: peroxisomal biogenesis factor 3	
Immunogen Catalog Number: AG31516	Calculated MW: 42 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, mouse heart tissue, HEK-293 cells, HepG2 cells, A431 cells, rat heart tissue
Species Specificity: human, mouse, rat	

Background Information

Peroxisins (PEXs) are proteins that are essential for the assembly of functional peroxisomes. Peroxin 3, also known as PEX3 (peroxisomal biogenesis factor 3) or TRG18, is a 373 amino acid multi-pass membrane protein that anchored in the peroxisomal membrane and essential for peroxisome biogenesis and integrity. Additionally, Peroxin 3 acts as a docking factor for Peroxin 19 and is required for the import of peroxisomal proteins. Defects in the gene encoding Peroxin 3 are the cause of peroxisome biogenesis disorder complementation group 12 (PBD-CG12) and Zellweger syndrome (ZwS), both of which arise from a failure of peroxisomal protein import.

Storage

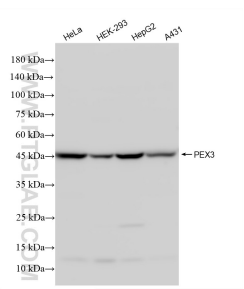
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

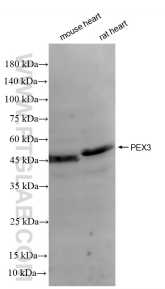
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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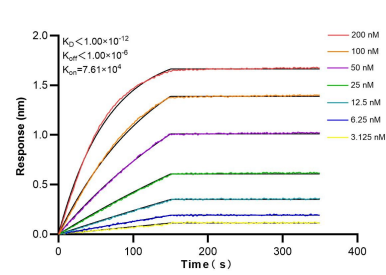
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86594-1-RR (PEX3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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Biolayer interferometry (BLI) kinetic assays of 86594-1-RR against Human PEX3 were performed. The affinity constant is below 1 pM.