

For Research Use Only

PEX3 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86594-1-PBS



Basic Information

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

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Peroxis (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

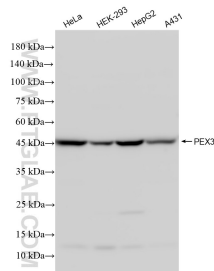
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

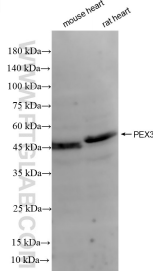
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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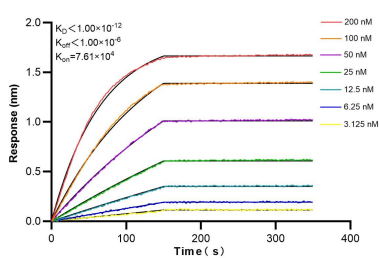
Selected Validation Data



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. This data was developed using the same antibody clone with 86594-1-PBS in a different storage buffer formulation.



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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.