

For Research Use Only

PEX1 Recombinant antibody

Catalog Number: 85429-4-RR



Basic Information

Catalog Number: 85429-4-RR	GenBank Accession Number: BC035575	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5189	CloneNo.: 242994F11
Source: Rabbit	UNIPROT ID: O43933	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG	Full Name: peroxisomal biogenesis factor 1	
Immunogen Catalog Number: AG4623	Calculated MW: 1283 aa, 143 kDa	
	Observed MW: 143 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : A549 cells, HEK-293 cells, MCF-7 cells, K-562 cells, Jurkat cells, NIH/3T3 cells

Background Information

Peroxin (PEX) proteins generate and maintain peroxisomes. The peroxin-1 (PEX1) ATPase facilitates the recycling of the peroxisome matrix protein receptor PEX5 and is the most commonly affected peroxin in human peroxisome biogenesis disorders (PMID: 28600347). PEX1 and PEX6 are the only members of the AAA family (for ATPases associated with diverse cellular) activities implicated in peroxisome biogenesis and are closely related to p97, which functions in endoplasmic reticulum-associated protein degradation to retrotranslocate endoplasmic reticulum proteins to the cytosol (PMID: 9695811; 11740563).

Storage

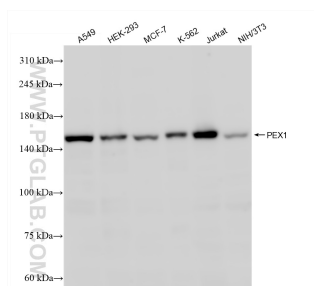
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

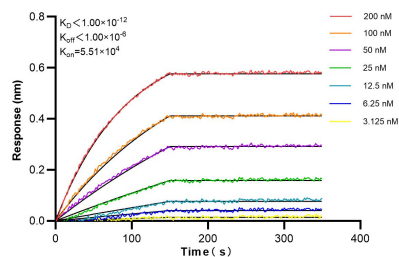
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85429-4-RR (PEX1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85429-4-RR against Human PEX1 were performed. The affinity constant is below 1 pM.