

For Research Use Only

PEX1 Recombinant antibody, PBS Only

Catalog Number: 85429-4-PBS



Basic Information

Catalog Number: 85429-4-PBS	GenBank Accession Number: BC035575	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5189	CloneNo.: 242994F11
Source: Rabbit	UNIPROT ID: O43933	
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, Indirect ELISA

Species Specificity:
human, mouse

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

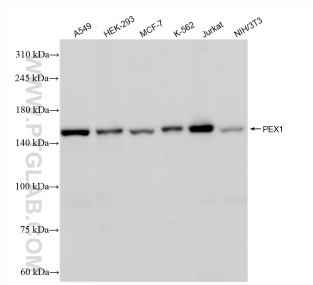
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

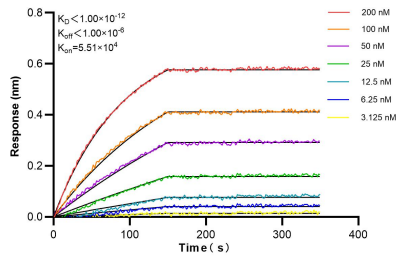
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Selected Validation Data



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. This data was developed using the same antibody clone with 85429-4-PBS in a different storage buffer formulation.



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