

For Research Use Only

PEX16 Recombinant monoclonal antibody

Catalog Number: 86887-1-RR



Basic Information

Catalog Number: 86887-1-RR	GenBank Accession Number: BC000467	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 9409	CloneNo.: 251835F11
Source: Rabbit	UNIPROT ID: Q9Y5Y5	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG	Full Name: peroxisomal biogenesis factor 16	
Immunogen Catalog Number: AG6566	Calculated MW: 39 kDa	
	Observed MW: 38 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HEK-293 cells, Jurkat cells, A549 cells, HepG2 cells, NIH/3T3 cells, HSC-T6 cells
Species Specificity: human, mouse, rat	

Background Information

Peroxis (PEXs) are proteins that are essential for the assembly of functional peroxisomes. Peroxin 16, also known as PEX16 or Peroxisomal biogenesis factor 16, is a 336 amino acid integral membrane protein that has a critical role in the biogenesis of peroxisomes. PEX16 together with PEX3 and PEX19 are specifically involved in peroxisomal membrane protein (PMP) import. Defects in the gene encoding Peroxin 16 are the cause of multiple peroxisome-related disorders, including Zellweger syndrome (ZWS), neonatal adrenoleukodystrophy (NALD), infantile Refsum disease (IRD), classical rhizomelic chondrodysplasia punctata (RCDP) and peroxisome biogenesis disorder complementation group 9 (PBD-CG9).

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

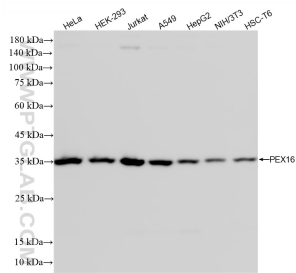
For technical support and original validation data for this product please contact:

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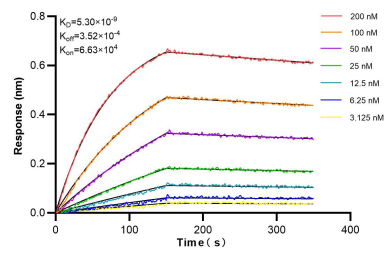
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86887-1-RR (PEX16 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86887-1-RR against Human PEX16 were performed. The affinity constant is 5.30 nM.