

For Research Use Only

# PEX1 Monoclonal antibody

Catalog Number: 67436-1-Ig



## Basic Information

<b>Catalog Number:</b> 67436-1-Ig	<b>GenBank Accession Number:</b> BC035575	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2000 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5189	<b>CloneNo.:</b> 2F3H5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O43933	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG2b	<b>Full Name:</b> peroxisomal biogenesis factor 1	
<b>Immunogen Catalog Number:</b> AG4623	<b>Calculated MW:</b> 1283 aa, 143 kDa	
	<b>Observed MW:</b> 143 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : MCF-7 cells, HepG2 cells, L02 cells, Jurkat cells, THP-1 cells, HSC-T6 cells, NIH/3T3 cells
<b>Species Specificity:</b> human, mouse, rat	

## 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

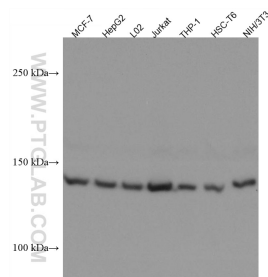
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67436-1-Ig (PEX1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.