

For Research Use Only

# PEX16 Monoclonal antibody, PBS Only



Catalog Number: 68261-1-PBS

## Basic Information

<b>Catalog Number:</b> 68261-1-PBS	<b>GenBank Accession Number:</b> BC000467	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 9409	<b>CloneNo.:</b> 2D7G4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9Y5Y5	
<b>Isotype:</b> IgG1	<b>Full Name:</b> peroxisomal biogenesis factor 16	
<b>Immunogen Catalog Number:</b> AG6574	<b>Calculated MW:</b> 39 kDa	
	<b>Observed MW:</b> 38 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
Human, Rat, Mouse

## 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

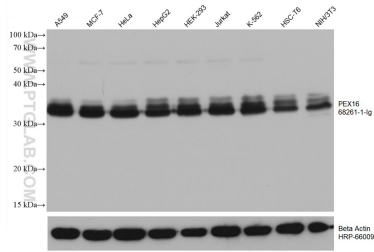
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68261-1-Ig (PEX16 antibody) at dilution of 1:10000 and incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 68261-1-PBS in a different storage buffer formulation.