

# PEX16 Monoclonal antibody

Catalog Number: 68261-1-Ig

## Basic Information

**Catalog Number:**

68261-1-Ig

**Size:**

500 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG6574

**GenBank Accession Number:**

BC000467

**GeneID (NCBI):**

9409

**UNIPROT ID:**

Q9Y5Y5

**Full Name:**

peroxisomal biogenesis factor 16

**Calculated MW:**

39 kDa

**Observed MW:**

38 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

2D7G4

**Recommended Dilutions:**

WB 1:5000-1:50000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human, Rat, Mouse

**Positive Controls:**

WB : A549 cells, MCF-7 cells, HeLa cells, HepG2 cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells

## Background Information

Peroxisins (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:**

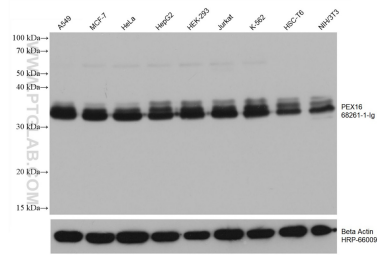
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## 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.