

# PEX19 Monoclonal antibody

Catalog Number: 68555-1-Ig

## Basic Information

**Catalog Number:**

68555-1-Ig

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG6858

**GenBank Accession Number:**

BC000496

**GeneID (NCBI):**

5824

**UNIPROT ID:**

P40855

**Full Name:**

peroxisomal biogenesis factor 19

**Calculated MW:**

33 kDa

**Observed MW:**

35-40 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

3H2C2

**Recommended Dilutions:**

WB 1:5000-1:50000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human, mouse, rat, pig

**Positive Controls:**

WB : LNCaP cells, HEK-293 cells, HeLa cells, A549 cells, Jurkat cells, K-562 cells, Pig liver tissue, Rat liver tissue, Mouse liver tissue

## Background Information

Peroxisins (PEXs) are proteins that are essential for the assembly of functional peroxisomes. PEX19 gene is necessary for early peroxisomal biogenesis. It acts both as a cytosolic chaperone and as an import receptor for peroxisomal membrane proteins (PMPs) (PMID: 14709540). PEX19 may bind newly synthesized PMPs and facilitate their insertion into the peroxisome membrane (PMID: 107044440). The peroxisome biogenesis disorders (PBDs) are a group of genetically heterogeneous autosomal recessive, lethal diseases characterized by multiple defects in peroxisome function. Defects in this gene are a cause of Zellweger syndrome (ZWS), as well as peroxisome biogenesis disorder complementation group 14 (PBD-CG14) (PMID:20683989) (PMID:10051604).

## Storage

**Storage:**

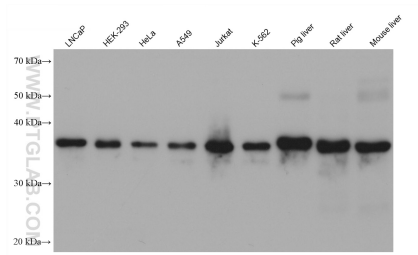
Store at -20°C. Stable for one year after shipment.

**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 68555-1-Ig (PEX19 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.