PEX19 Monoclonal antibody, PBS Only

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Catalog Number:68555-1-PBS

Basic Information

Catalog Number:
68555-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human, mouse, rat, pig

Background Information

Peroxins (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).
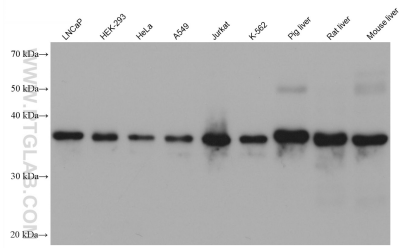
Storage

Storage:
Store at -80℃.
Storage Buffer:
PBS Only

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. This data was developed using the same antibody clone with 68555-1-PBS in a different storage buffer formulation.