

PEX3 Recombinant monoclonal antibody

Catalog Number: 86594-1-RR

Basic Information

Catalog Number:

86594-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31516

GenBank Accession Number:

BC014551

GeneID (NCBI):

8504

UNIPROT ID:

P56589

Full Name:

peroxisomal biogenesis factor 3

Calculated MW:

42 kDa

Observed MW:

42 kDa

Purification Method:

Protein A purification

CloneNo.:

251383E9

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, mouse heart tissue, HEK-293 cells, HepG2 cells, A431 cells, rat heart tissue

Background Information

Peroxisins (PEXs) are proteins that are essential for the assembly of functional peroxisomes. Peroxin 3, also known as PEX3 (peroxisomal biogenesis factor 3) or TRG18, is a 373 amino acid multi-pass membrane protein that anchored in the peroxisomal membrane and essential for peroxisome biogenesis and integrity. Additionally, Peroxin 3 acts as a docking factor for Peroxin 19 and is required for the import of peroxisomal proteins. Defects in the gene encoding Peroxin 3 are the cause of peroxisome biogenesis disorder complementation group 12 (PBD-CG12) and Zellweger syndrome (ZwS), both of which arise from a failure of peroxisomal protein import.

Storage

Storage:

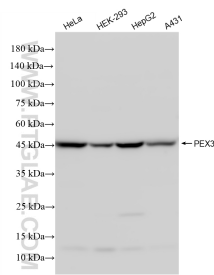
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

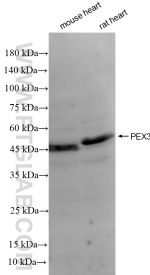
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

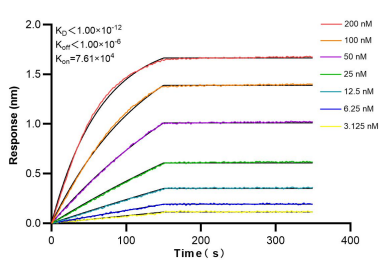
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86594-1-RR (PEX3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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Biolayer interferometry (BLI) kinetic assays of 86594-1-RR against Human PEX3 were performed. The affinity constant is below 1 pM.