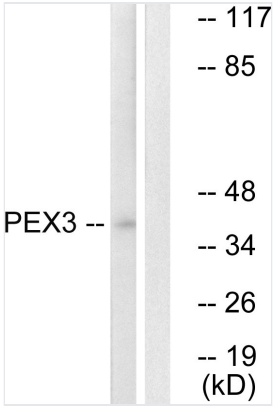
PEX3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PEX3, Polyclonal Antibody
Full Product Name	PEX3 Antibody
Product Gene Name	anti-PEX3 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	PEX3 Antibody detects endogenous levels of total PEX3 protein.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	42 kDa
OMIM	AJ001625 mRNA
3D Structure	ModBase 3D Structure for P56589
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human PEX3.
Immunogen Range	Dec-61
Applications Tested/Suitable for anti-PEX3 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-PEX3 antibody	WB: 1:500~1:1000 ELISA: 1:10000
Related Product Information for anti-PEX3 antibody	MBS9506664 is an antibody targeting PEX3. Also known as PEX3 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-PEX3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-PEX3 antibody
Western blot analysis of lysates from HeLa cells, using PEX3 Antibody. The lane on the right is blocked with the synthesized peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PEX3. It may not necessarily be applicable to this product.

NCBI GI #	4505727
NCBI GeneID	8504
NCBI Accession #	NP_003621.1
UniProt Primary Accession #	P56589
UniProt Secondary Accession #	Q6FGP5
UniProt Related Accession #	P56589
GenBank Nucleotide #	NM_003630.2
NCBI Official Full Name	peroxisomal biogenesis factor 3
NCBI Official Synonym Full Names	peroxisomal biogenesis factor 3
NCBI Official Symbol	PEX3
NCBI Official Synonym Symbols	TRG18; PBD10A; PBD10B
UniProt Protein Name	Peroxisomal biogenesis factor 3
UniProt Synonym Protein Names	Peroxin-3; Peroxisomal assembly protein PEX3
Protein Family	Peroxisomal biogenesis factor
UniProt Gene Name	PEX3
NCBI Protein Information	peroxisomal biogenesis factor 3
NCBI Summary for PEX3	The product of this gene is involved in peroxisome biosynthesis and integrity. It assembles membrane vesicles before the matrix proteins are translocated. Peroxins (PEXs) are proteins that are essential for the assembly of functional peroxisomes. The peroxisome biogenesis disorders (PBDs) are a group of genetically heterogeneous autosomal recessive, lethal diseases characterized by multiple defects in peroxisome function. The peroxisomal biogenesis disorders are a heterogeneous group with at least 14 complementation groups and with more than 1 phenotype being observed in cases falling into particular complementation groups. Although the clinical features of PBD patients vary, cells from all PBD patients exhibit a defect in the import of one or more classes of peroxisomal matrix proteins into the organelle. Defects in this gene are a cause Zellweger syndrome (ZWS). [provided by RefSeq, Oct 2008]
UniProt Comments for PEX3	Involved in peroxisome biosynthesis and integrity. Assembles membrane vesicles before the matrix proteins are translocated. As a docking factor for PEX19, is necessary for the import of peroxisomal membrane proteins in the peroxisomes.

Research Articles on PEX3	**1.** that newly synthesized UBXD8 is post-translationally inserted into discrete ER subdomains by a mechanism requiring cytosolic PEX19 and membrane-integrated PEX3, proteins hitherto exclusively implicated in peroxisome biogenesis
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