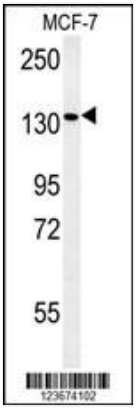
PEX1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PEX1, Polyclonal Antibody
Full Product Name	PEX1, ID (PEX1, Peroxisome biogenesis factor 1, Peroxin-1, Peroxisome biogenesis disorder protein 1) (Azide free) (HRP)
Product Gene Name	anti-PEX1 antibody
Product Synonym Names	PEX1; Peroxisome biogenesis factor 1; Peroxin-1; Peroxisome biogenesis disorder protein 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	142,867 Da
OMIM	602136
3D Structure	ModBase 3D Structure for O43933
Immunogen	PEX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 606-637 amino acids from the Central region of human PEX1.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-PEX1 antibody	Antibodies; Obesity Proteins
Applications Tested/Suitable for anti-PEX1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-PEX1 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-PEX1 antibody	This gene encodes a member of the AAA ATPase family, a large group of ATPases associated with diverse cellular activities. This protein is cytoplasmic but is often anchored to a peroxisomal membrane where it forms a heteromeric complex and plays a role in the import of proteins into peroxisomes and peroxisome biogenesis. Mutations in this gene have been associated with complementation group 1 peroxisomal disorders such as neonatal adrenoleukodystrophy, infantile Refsum disease, and Zellweger syndrome.
Product References and Citations for anti-PEX1 antibody	Zhao, J., et al. BMC Med. Genet. 11, 96 (2010): Yik, W.Y., et al. Hum. Mutat. 30 (3), E467-E480 (2009): Gudbjartsson, D.F., et al. Nat. Genet. 40(5):609-615(2008). Matsuoka, S., et al. Science 316(5828):1160-1166(2007). Tamura, S., et al. J. Biol. Chem. 281(38):27693-27704(2006).

Other Notes	Small volumes of anti-PEX1 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.
Searchable Terms for PEX1 purchase	MBS6332753 is an antibody targeting PEX1. Also known as PEX1, ID (PEX1, Peroxisome biogenesis factor 1, Peroxin-1, Peroxisome biogenesis disorder protein 1) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PEX1 antibody
PEX1 Antibody (Center) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the PEX1 antibody detected the PEX1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PEX1. It may not necessarily be applicable to this product.

NCBI GI #	4505725
NCBI GeneID	5189
NCBI Accession #	NP_000457.1
UniProt Primary Accession #	O43933
UniProt Secondary Accession #	Q96S71; Q96S72; Q96S73; Q99994; A4D1G3; A8KA90
UniProt Related Accession #	O43933
GenBank Nucleotide #	NM_000466.2
NCBI Official Full Name	peroxisome biogenesis factor 1 isoform 1
NCBI Official Synonym Full Names	peroxisomal biogenesis factor 1
NCBI Official Symbol	PEX1
NCBI Official Synonym Symbols	ZWS; ZWS1; PBD1A; PBD1B
UniProt Protein Name	Peroxisome biogenesis factor 1
UniProt Synonym Protein Names	Peroxin-1; Peroxisome biogenesis disorder protein 1
Protein Family	Peroxisomal ATPase
UniProt Gene Name	PEX1
UniProt Entry Name	PEX1_HUMAN
NCBI Protein Information	peroxisome biogenesis factor 1; peroxin-1; Zellweger syndrome; peroxisome biogenesis disorder protein 1
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