# PEX1 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | PEX1, Polyclonal Antibody |
| **Full Product Name** | PEX1 Antibody, FITC conjugated |
| **Product Gene Name** | anti-PEX1 antibody |
| **Product Synonym Names** | Peroxisome biogenesis factor 1; Peroxin-1; Peroxisome biogenesis disorder protein 1; PEX1 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Liquid |
| **Purity/Purification** | >95%, Protein G purified |
| **Preparation and Storage** | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze. |
| **Matching Pairs** | Unconjugated Antibody: PEX1 (MBS7104153)<br>FITC Conjugated Antibody: PEX1 (MBS7104155) |
| **Molecular Weight** | 105,999 Da |
| **OMIM** | AF030356 mRNA |
| **3D Structure** | ModBase 3D Structure for O43933 |
| **Immunogen** | Recombinant Human Peroxisome biogenesis factor 1 protein (927-1283AA) |
| **Conjugation** | FITC |
| **Buffer** | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| **Product Categories/Family for anti-PEX1 antibody** | Signal Transduction |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-PEX1 antibody** | ELISA (EIA) |
| **Related Product Information for anti-PEX1 antibody** | Required for stability of PEX5 and protein import into the peroxisome matrix. Anchored by PEX26 to peroxisome membranes, possibly to form heteromeric AAA ATPase complexes required for the import of proteins into peroxisomes. |
| **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** | MBS7104155 is an antibody targeting PEX1. Also known as PEX1 Antibody, FITC conjugated. Reactive in Human. Host: Rabbit. |

## ADDITIONAL DETAILS

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

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| **NCBI GI #** | 4505725 |
| **NCBI GeneID** | 5189 |
| **NCBI Accession #** | NP_000457.1 |
| **UniProt Primary Accession #** | O43933 |
| **UniProt Secondary Accession #** | Q96S71; Q96S72; Q96S73; Q99994; A4D1G3; A8KA90; B4DIM7; E9PE75 |
| **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; HMLR1; 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 |
| **NCBI Protein Information** | peroxisome biogenesis factor 1 |
| **NCBI Summary for PEX1** | 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. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2013] |
| **Research Articles on PEX1** | **1.** heterozygous mutations in the PEX1 gene in two Chinese newborns with Zellweger syndrome |
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