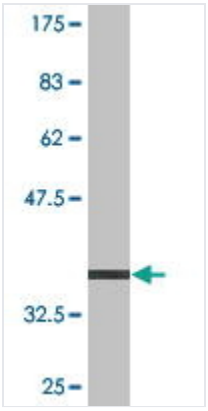
PEX6 Antibody – Mouse Monoclonal

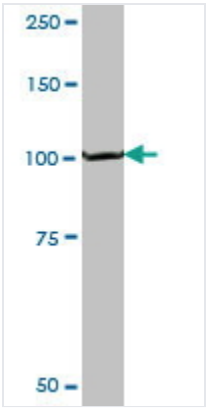
PRODUCT OVERVIEW

Product Name	PEX6, Monoclonal Antibody
Full Product Name	PEX6 (PXAAA1, Peroxisome Assembly Factor 2, PAF-2, Peroxisomal-type ATPase 1, Peroxisomal Biogenesis Factor 6, Peroxin 6) APC
Product Gene Name	anti-PEX6 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3G3
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human PEX6.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	94,571 Da
3D Structure	ModBase 3D Structure for Q13608
Immunogen	Partial recombinant corresponding to aa881-981 from human PEX6 (NP_000278) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	RVLSAITRKFKLEPSVSLVNVLDCCPPQLTGADLYSLCSDAMTAALKRRVHDLEEGLEPGSSALMLTMEDLLQAAARLQPSVSEQELLRYKRIQRKFAAC
Conjugate	APC
Product Categories/Family for anti-PEX6 antibody	Antibodies; Obesity Proteins
Applications Tested/Suitable for anti-PEX6 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-PEX6 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-PEX6 antibody	This gene encodes a member of the AAA (ATPases associated with diverse cellular activities) family of ATPases. This member is a predominantly cytoplasmic protein, which plays a direct role in peroxisomal protein import and is required for PTS1 (peroxisomal targeting signal 1, a C-terminal tripeptide of the sequence ser-lys-leu) receptor activity. Mutations in this gene cause peroxisome biogenesis disorders of complementation group 4 and complementation group 6. [provided by RefSeq]

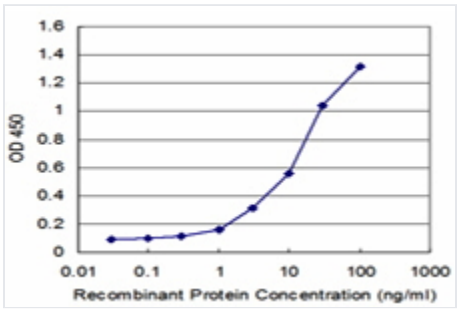
Other Notes	Small volumes of anti-PEX6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PEX6 purchase	MBS6138191 is an antibody targeting PEX6. Also known as PEX6 (PXAAA1, Peroxisome Assembly Factor 2, PAF-2, Peroxisomal-type ATPase 1, Peroxisomal Biogenesis Factor 6, Peroxin 6) APC. Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-PEX6 antibody
Western Blot detection against Immunogen (36.74kD).



Western Blot (WB) of anti-PEX6 antibody
PEX6 monoclonal antibody. Western Blot analysis of PEX6 expression in K-562.



Testing Data of anti-PEX6 antibody
Detection limit for recombinant GST tagged PEX6 is ~0.3ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PEX6. It may not necessarily be applicable to this product.

NCBI GI #	194018488
NCBI GeneID	5190
NCBI Accession #	NP_000278
UniProt Primary Accession #	Q13608
UniProt Secondary Accession #	Q5T8W1; Q8WYQ0; Q8WYQ1; Q8WYQ2; Q99476
UniProt Related Accession #	Q13608
GenBank Nucleotide #	NM_000287
NCBI Official Full Name	peroxisome biogenesis factor 6
NCBI Official Synonym Full Names	peroxisomal biogenesis factor 6
NCBI Official Symbol	PEX6
NCBI Official Synonym Symbols	PAF2; PAF-2; PBD4A; PDB4B; PXAAA1
UniProt Protein Name	Peroxisome assembly factor 2

UniProt Synonym Protein Names	Peroxin-6; Peroxisomal biogenesis factor 6; Peroxisomal-type ATPase 1
Protein Family	Peroxisomal ATPase
UniProt Gene Name	PEX6
UniProt Synonym Gene Names	PXAAA1; PAF-2
NCBI Protein Information	peroxisome biogenesis factor 6; peroxin-6; peroxisomal AAA-type ATPase 1; peroxisomal-type ATPase 1; peroxisome assembly factor 2
UniProt Comments for PEX6	Involved in peroxisome biosynthesis. Required for stability of the PTS1 receptor. Anchored by PEX26 to peroxisome membranes, possibly to form heteromeric AAA ATPase complexes required for the import of proteins into peroxisomes.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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