PEX6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PEX6, Polyclonal Antibody
Full Product Name	PEX6 Polyclonal Antibody
Product Gene Name	anti-PEX6 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	77kDa; 94kDa; 104kDa
3D Structure	ModBase 3D Structure for Q13608
Immunogen	Recombinant protein of human PEX6 (NP_000278.3).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PEX6 antibody	Western Blot (WB)
Application Notes for anti-PEX6 antibody	WB: 1:500-1:2000
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. Several transcript variants encoding different isoforms have been found for this gene.
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	MBS8566510 is an antibody targeting PEX6. Also known as PEX6 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

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_000278.3
UniProt Primary Accession #	Q13608
UniProt Related Accession #	Q13608

GenBank Nucleotide #	NP_000278.3
NCBI Official Full Name	peroxisome biogenesis factor 6 isoform 1
NCBI Official Synonym Full Names	peroxisomal biogenesis factor 6
NCBI Official Symbol	PEX6
NCBI Official Synonym Symbols	PAF2; HMLR2; 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
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.
Research Articles on PEX6	**1.** Mutation in PAX6 gene is associated with Ophthalmic manifestations of Heimler syndrome.
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