

PEX26 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP14017b**Specification**

PEX26 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q7Z412](#)**PEX26 Antibody (C-term) Blocking peptide - Additional Information**

Gene ID 55670

Other Names

Peroxisome assembly protein 26, Peroxin-26, PEX26

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14017b was selected from the C-term region of PEX26. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PEX26 Antibody (C-term) Blocking peptide - Protein Information**Name** PEX26 {ECO:0000303|PubMed:12717447, ECO:0000312|HGNC:HGNC:22965}**Function**

Peroxisomal docking factor that anchors PEX1 and PEX6 to peroxisome membranes (PubMed:12717447, PubMed:12851857, PubMed:16854980, PubMed:21362118, PubMed:16763195, PubMed:16257970). PEX26 is therefore required for the formation of the PEX1-PEX6 AAA ATPase complex, a complex that mediates the extraction of the PEX5 receptor from peroxisomal membrane (PubMed:12717447, PubMed:12851857, PubMed:16854980, PubMed:21362118, PubMed:16763195, PubMed:16257970).

href="http://www.uniprot.org/citations/16763195" target="_blank">16763195, PubMed:16257970).

Cellular Location

Peroxisome membrane; Single-pass type II membrane protein

Tissue Location

Widely expressed (PubMed:12851857). Highly expressed in kidney, liver, brain and skeletal muscles (PubMed:12851857). Expressed at intermediate level in pancreas, placenta and heart (PubMed:12851857). Weakly expressed in lung (PubMed:12851857).

PEX26 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PEX26 Antibody (C-term) Blocking peptide - Images

PEX26 Antibody (C-term) Blocking peptide - Background

This gene belongs to the peroxin-26 gene family. It is probably required for protein import into peroxisomes. It anchors PEX1 and PEX6 to peroxisome membranes, possibly to form heteromeric AAA ATPase complexes required for the import of proteins into peroxisomes. Defects in this gene are the cause of peroxisome biogenesis disorder complementation group 8 (PBD-CG8). PBD refers to a group of peroxisomal disorders arising from a failure of protein import into the peroxisomal membrane or matrix. The PBD group is comprised of four disorders: Zellweger syndrome (ZWS), neonatal adrenoleukodystrophy (NALD), infantile Refsum disease (IRD), and classical rhizomelic chondrodysplasia punctata (RCDP). Alternatively spliced transcript variants have been identified for this gene.

PEX26 Antibody (C-term) Blocking peptide - References

Yik, W.Y., et al. Hum. Mutat. 30 (3), E467-E480 (2009) ;Tamura, S., et al. J. Biol. Chem. 281(38):27693-27704(2006)Halbach, A., et al. J. Cell. Sci. 119 (PT 12), 2508-2517 (2006) ;Furuki, S., et al. J. Biol. Chem. 281(3):1317-1323(2006)Weller, S., et al. Am. J. Hum. Genet. 76(6):987-1007(2005)