

PEX13 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8861c**Specification**

PEX13 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q92968](#)**PEX13 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 5194

Other Names

Peroxisomal membrane protein PEX13, Peroxin-13, PEX13

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8861c](/products/AP8861c) was selected from the Center region of human PEX13. 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.

PEX13 Antibody (Center) Blocking Peptide - Protein Information**Name** PEX13 {ECO:0000303|PubMed:9653144, ECO:0000312|HGNC:HGNC:8855}**Function**

Component of the PEX13-PEX14 docking complex, a translocon channel that specifically mediates the import of peroxisomal cargo proteins bound to PEX5 receptor (PubMed:[9653144](http://www.uniprot.org/citations/9653144), PubMed:[8858165](http://www.uniprot.org/citations/8858165), PubMed:[28765278](http://www.uniprot.org/citations/28765278)). The PEX13-PEX14 docking complex forms a large import pore which can be opened to a diameter of about 9 nm (By similarity). Mechanistically, PEX5 receptor along with cargo proteins associates with the PEX14 subunit of the PEX13-PEX14 docking complex in the cytosol, leading to the insertion of the receptor into the organelle membrane with the concomitant translocation of the cargo into the peroxisome matrix (PubMed:[9653144](http://www.uniprot.org/citations/9653144), PubMed:[8858165](http://www.uniprot.org/citations/8858165), PubMed:[8858165](http://www.uniprot.org/citations/28765278)).

target="_blank">28765278). Involved in the import of PTS1- and PTS2-type containing proteins (PubMed:9653144, PubMed:8858165).

Cellular Location

Peroxisome membrane; Multi-pass membrane protein

PEX13 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PEX13 Antibody (Center) Blocking Peptide - Images**PEX13 Antibody (Center) Blocking Peptide - Background**

PEX13 is encoding a peroxisomal membrane protein that binds the type 1 peroxisomal targeting signal receptor via a SH3 domain located in the cytoplasm.

PEX13 Antibody (Center) Blocking Peptide - References

Al-Dirbashi,O.Y.,et.al., Am. J. Med. Genet. A 149A (6), 1219-1223 (2009)