

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

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**PEX13 Antibody (Center) Blocking Peptide - Product Information**Primary 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:[28765278](http://www.uniprot.org/citations/28765278))

target="\_blank">28765278</a>). Involved in the import of PTS1- and PTS2-type containing proteins (PubMed:<a href="http://www.uniprot.org/citations/9653144" target="\_blank">9653144</a>, PubMed:<a href="http://www.uniprot.org/citations/8858165" target="\_blank">8858165</a>).

**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)