

PEX7 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP5899a**Specification**

PEX7 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [O00628](#)
Other Accession [NP_000279.1](#)

PEX7 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 5191

Other Names

Peroxisomal targeting signal 2 receptor, PTS2 receptor, Peroxin-7, PEX7, PTS2R

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.

PEX7 Antibody (N-term) Blocking peptide - Protein Information

Name PEX7 {ECO:0000303|PubMed:9090383, ECO:0000312|HGNC:HGNC:8860}

Function

Receptor required for the peroxisomal import of proteins containing a C-terminal PTS2-type peroxisomal targeting signal (PubMed:9090381, PubMed:11931631, PubMed:22057399, PubMed:25538232). Specifically binds to cargo proteins containing a PTS2 peroxisomal targeting signal in the cytosol (PubMed:11931631, PubMed:22057399, PubMed:25538232). Cargo protein-binding triggers interaction with PEX5 and formation of a ternary complex composed of PEX5 and PEX7 along with PTS2-containing cargo proteins, which is translocated into peroxisomes by passing through the PEX13-PEX14 docking complex (PubMed:11546814, PubMed:25538232).

Cellular Location

Cytoplasm, cytosol. Peroxisome matrix. Note=Translocated into the peroxisome matrix together with PTS2-containing cargo proteins and PEX5

Tissue Location

Ubiquitous (PubMed:9090381). Highest expression in pancreas, skeletal muscle and heart (PubMed:9090381)

PEX7 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

PEX7 Antibody (N-term) Blocking peptide - Images