

PEX13 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS15692**Specification**

PEX13 Antibody - Product Information

Application	IHC, WB
Primary Accession	Q92968
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44kDa KDa

PEX13 Antibody - Additional Information**Gene ID** 5194**Other Names**

Peroxisomal membrane protein PEX13, Peroxin-13, PEX13

Target/Specificity

Human PEX13.

Reconstitution & Storage

Aliquot and store at -20°C. Minimize freezing and thawing.

Precautions

PEX13 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PEX13 Antibody - 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, PubMed:8858165, PubMed: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, PubMed:8858165, PubMed:28765278). Involved in the import of PTS1- and PTS2-type containing proteins (PubMed:9653144).

target="_blank">9653144, PubMed:8858165).

Cellular Location

Peroxisome membrane; Multi-pass membrane protein

Volume

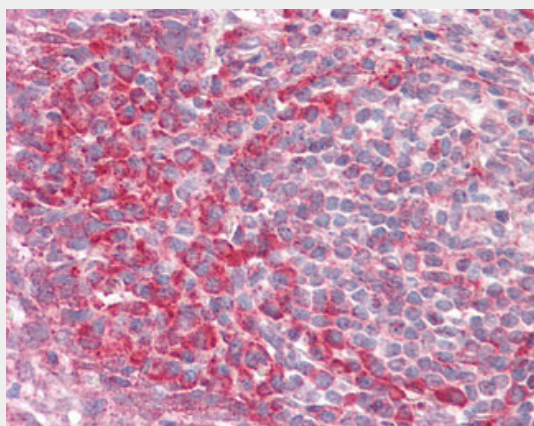
50 μ l

PEX13 Antibody - Protocols

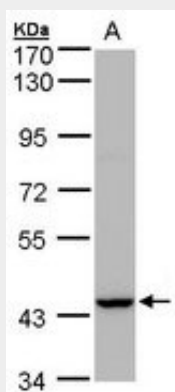
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PEX13 Antibody - Images



Anti-PEX13 antibody IHC staining of human tonsil.



Sample(30 g of whole cell lysate). A: MOLT4. 7.5% SDS PAGE. PEX13 antibody diluted at 1:1000.

PEX13 Antibody - Background

Component of the peroxisomal translocation machinery with PEX14 and PEX17. Functions as a docking factor for the predominantly cytoplasmic PTS1 receptor (PAS10/PEX5). Involved in the import of PTS1 and PTS2 proteins.

PEX13 Antibody - References

Fransen M.,et al.Proc. Natl. Acad. Sci. U.S.A. 95:8087-8092(1998).
Toyama R.,et al.Hum. Mol. Genet. 8:1673-1681(1999).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Gould S.J.,et al.J. Cell Biol. 135:85-95(1996).