

PEX14 Polyclonal Antibody
Catalog # AP74334**Specification**

PEX14 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	O75381
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

PEX14 Polyclonal Antibody - Additional Information**Gene ID** 5195**Other Names**

Peroxisomal membrane protein PEX14 (PTS1 receptor-docking protein) (Peroxin-14) (Peroxisomal membrane anchor protein PEX14)

Dilution

WB~~WB 1:500-2000, ELISA 1:10000-20000

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

PEX14 Polyclonal Antibody - Protein Information**Name** PEX14 {ECO:0000303|PubMed:9653144, ECO:0000312|HGNC:HGNC:8856}**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:24235149, PubMed:28765278, PubMed:9653144). 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:24235149, PubMed:28765278). Plays a key role for peroxisome movement through a direct interaction with tubulin (PubMed:21525035).

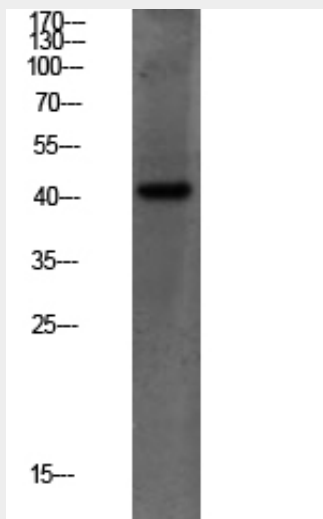
Cellular Location

Peroxisome membrane; Single-pass membrane protein {ECO:0000250|UniProtKB:Q642G4}

PEX14 Polyclonal 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](#)

PEX14 Polyclonal Antibody - Images

Western blot analysis of mouse-liver lysate, antibody was diluted at 1000. Secondary antibody was diluted at 1:20000

PEX14 Polyclonal Antibody - Background

Peroxisome membrane protein that is an essential component of the peroxisomal import machinery. Functions as a docking factor for the predominantly cytoplasmic PTS1 receptor (PEX5). Plays a key role for peroxisome movement through a direct interaction with tubulin.