

PEX10 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50591**Specification**

PEX10 Antibody - Product Information

Application	WB
Primary Accession	O60683
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37, 39 KDa
Antigen Region	191-222

PEX10 Antibody - Additional Information**Gene ID** 5192**Other Names**

Peroxisome biogenesis factor 10, Peroxin-10, Peroxisomal biogenesis factor 10, Peroxisome assembly protein 10, RING finger protein 69, PEX10, RNF69

Dilution

WB~~ 1:1000

Format

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions

-20°C

PEX10 Antibody - Protein Information**Name** PEX10 {ECO:0000303|PubMed:9683594, ECO:0000312|HGNC:HGNC:8851}**Function**

E3 ubiquitin-protein ligase component of a retrotranslocation channel required for peroxisome organization by mediating export of the PEX5 receptor from peroxisomes to the cytosol, thereby promoting PEX5 recycling (PubMed: 24662292). The retrotranslocation channel is composed of PEX2, PEX10 and PEX12; each subunit contributing transmembrane segments that coassemble into an open channel that specifically allows the passage of PEX5 through the peroxisomal membrane (By similarity). PEX10 also regulates PEX5 recycling by acting as a E3 ubiquitin-protein ligase (PubMed: 24662292). When PEX5 recycling is compromised, PEX10 catalyzes polyubiquitination of PEX5 during its passage through the retrotranslocation channel, leading to its degradation (By similarity).

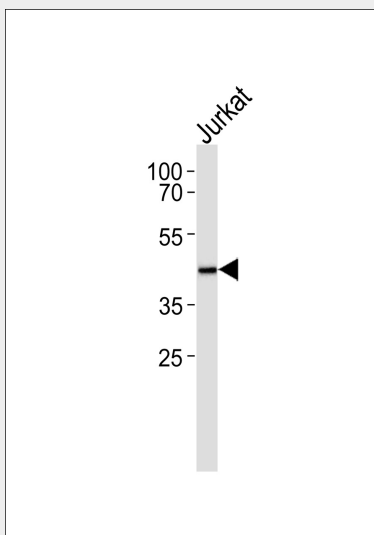
Cellular Location

Peroxisome membrane; Multi-pass membrane protein

PEX10 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](#)

PEX10 Antibody - Images

Western blot analysis of lysate from Jurkat cell line, using PEX10 Antibody (AP50591). AP50591 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

PEX10 Antibody - Background

Somewhat implicated in the biogenesis of peroxisomes.

PEX10 Antibody - References

Warren D.S., et al. Am. J. Hum. Genet. 63:347-359 (1998).
Okumoto K., et al. Hum. Mol. Genet. 7:1399-1405 (1998).
Ota T., et al. Nat. Genet. 36:40-45 (2004).
Gregory S.G., et al. Nature 441:315-321 (2006).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.