10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# PEX10 Antibody
**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP53314**

## Specification

### PEX10 Antibody - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | O60683 |
| Reactivity | **Human** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **37 KDa** |
| Antigen Region | **180-229** |

### 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 , pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol

**Storage**
Store at -20 °C.Stable for 12 months from date of receipt

### 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:<a href="http://www.uniprot.org/citations/24662292" target="_blank">24662292</a>). 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:<a href="http://www.uniprot.org/citations/24662292" target="_blank">24662292</a>). When PEX5 recycling is compromised, PEX10 catalyzes polyubiquitination of PEX5 during its passage through the retrotranslocation channel, leading to its degradation (By similarity).

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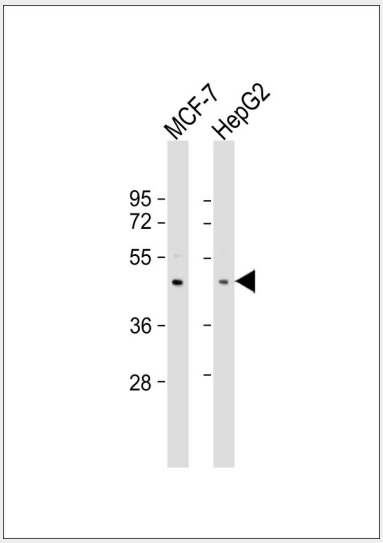
**Cellular Location**
Peroxisome membrane; Multi-pass membrane protein

## 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 Cytomety
- Cell Culture

## PEX10 Antibody - Images




All lanes : Anti-PEX10 Antibody at 1:1000 dilution Lane 1: MCF-7 whole cell lysate Lane 2: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution. Predicted band size : 37 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

## 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.