

PEX12 Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF3223a**Specification**

PEX12 Antibody (C-Term) - Product Information

Application	E
Primary Accession	O00623
Other Accession	NP_000277.1 , 5193 , 103737 (mouse) , 116718 (rat)
Predicted Host	Human, Mouse, Rat, Dog
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	40797

PEX12 Antibody (C-Term) - Additional Information**Gene ID** 5193**Other Names**

Peroxisome assembly protein 12, Peroxin-12, Peroxisome assembly factor 3, PAF-3, PEX12, PAF3

Dilution

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PEX12 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

PEX12 Antibody (C-Term) - Protein Information**Name** PEX12 {ECO:0000303|PubMed:9090384, ECO:0000312|HGNC:HGNC:8854}**Function**

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, PubMed:9354782),

PubMed:9632816). 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). PEX12 also regulates PEX5 recycling by activating the E3 ubiquitin-protein ligase activity of PEX10 (PubMed:24662292). When PEX5 recycling is compromised, PEX12 stimulates PEX10-mediated polyubiquitination of PEX5, leading to its subsequent degradation (By similarity).

Cellular Location

Peroxisome membrane; Multi-pass membrane protein

PEX12 Antibody (C-Term) - 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](#)

PEX12 Antibody (C-Term) - Images**PEX12 Antibody (C-Term) - References**

Identification of novel mutations and sequence variation in the Zellweger syndrome spectrum of peroxisome biogenesis disorders. Yik WY, Steinberg SJ, Moser AB, Moser HW, Hacia JG, Human mutation 2009 Mar 30 (3): E467-80. PMID: 19105186