

PEX6 Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF3228a**Specification**

PEX6 Antibody (C-Term) - Product Information

Application	WB
Primary Accession	Q13608
Other Accession	NP_000278.3 , 5190 , 224824 (mouse) , 117265 (rat)
Reactivity	Rat
Predicted	Human, Mouse, Pig, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	104061

PEX6 Antibody (C-Term) - Additional Information**Gene ID** 5190**Other Names**

Peroxisome assembly factor 2, PAF-2, Peroxin-6, Peroxisomal biogenesis factor 6, Peroxisomal-type ATPase 1, PEX6, PXAAA1

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

PEX6 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

PEX6 Antibody (C-Term) - Protein Information**Name** PEX6 {ECO:0000303|PubMed:10408779, ECO:0000312|HGNC:HGNC:8859}**Function**

Component of the PEX1-PEX6 AAA ATPase complex, a protein dislocase complex that mediates the ATP-dependent extraction of the PEX5 receptor from peroxisomal membranes, an essential step for PEX5 recycling (PubMed:16314507, PubMed:16854980, PubMed:21362118).

target="_blank">21362118, PubMed:29884772). Specifically recognizes PEX5 monoubiquitinated at 'Cys-11', and pulls it out of the peroxisome lumen through the PEX2- PEX10-PEX12 retrotranslocation channel (PubMed:29884772). Extraction by the PEX1-PEX6 AAA ATPase complex is accompanied by unfolding of the TPR repeats and release of bound cargo from PEX5 (PubMed:29884772).

Cellular Location

Cytoplasm, cytosol. Peroxisome membrane. Cell projection, cilium, photoreceptor outer segment. Note=Associated with peroxisomal membranes; anchored by PEX26 to peroxisome membranes (PubMed:12717447, PubMed:16854980). Localized at the base of the outer segment of photoreceptor cells (PubMed:26593283)

Tissue Location

Expressed in the retina, at higher levels in the photoreceptor layer at the joint between the outer and inner segments

PEX6 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](#)

PEX6 Antibody (C-Term) - Images



AF3228a (0.3 µg/ml) staining of Rat Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

PEX6 Antibody (C-Term) - References

Maternally inherited Leigh syndrome: T8993G mutation in a Tunisian family. Mkaouar-Rebai E, Chaari W, Younes S, Bousoffara R, Sfar MT, Fakhfakh F, Pediatric neurology 2009 Jun 40 (6): 437-42. PMID: 19433277