

PEX6 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54907

Specification

PEX6 Polyclonal Antibody - Product Information

Application	IHC-P
Primary Accession	Q13608
Reactivity	Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	104061

PEX6 Polyclonal Antibody - 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

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PEX6 Polyclonal Antibody - 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, 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)

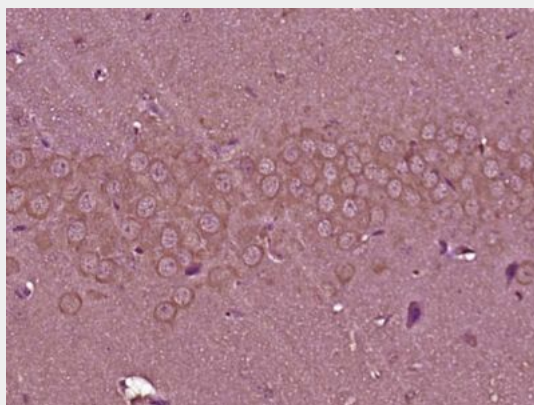
Tissue Location

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

PEX6 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](#)

PEX6 Polyclonal Antibody - Images

Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PEX6) Polyclonal Antibody, Unconjugated (bs-12625R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.