

Rabbit PEX10 Polyclonal Antibody | anti-PEX10 antibody

PEX10 (CT) Antibody

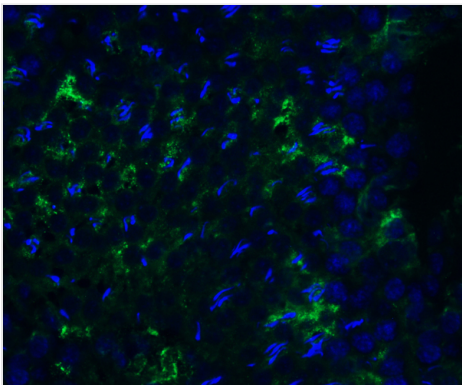
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA11049	Rabbit	Human, Mouse, Rat	ELISA, Western Blot, Immunofluorescence

PRODUCT SYNONYMS

PEX10; Polyclonal Antibody; PEX10 (CT) Antibody; PEX10 Antibody; Peroxin-10; Peroxisomal biogenesis factor 10; Peroxisome assembly protein 10; RING finger protein 69; RNF69; anti-PEX10 antibody

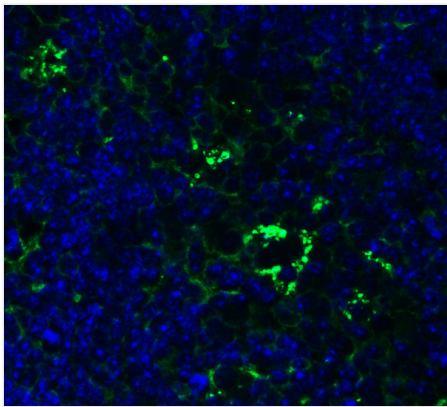
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	PEX10 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid; PEX10 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-PEX10 antibody	ELISA, WB (Western Blot), IF (Immunofluorescence)
Application Notes	WB: 4ug/mL; IF: 20ug/mL Antibody validated: Western Blot in human, mouse and rat samples; Immunofluorescence in human, mouse and rat samples. All other applications and species not yet tested.
Immunogen	Anti-PEX10 antibody (9671) was raised against a peptide corresponding to 10 amino acids near the carboxyl terminus of human PEX10. The immunogen is located within last 50 amino acids of PEX10.
Homology	Predicted species reactivity based on immunogen sequence: monkey (100%), horse (100%), gorilla (100%), chimpanzee (100%)
Research Area	Signal Transduction
NCBI Organism	Homo sapiens
Isoforms	Human PEX10 has 2 isoforms, including isoform 1 (326aa, 37.1kD) and isoform 2 (346aa, 39.2kD). Mouse PEX10 has 1 isoform (324aa, 37.2kD). can detect PEX10 in human and mouse.
Preparation and Storage	PEX10 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



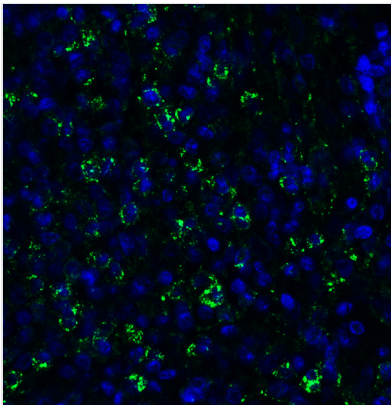
IF (Immunofluorescence)

Figure 7 Immunofluorescence Validation of PEX10 in Rat TestisImmunofluorescent analysis of 4% paraformaldehyde-fixed rat testis labeling PEX10 with AAA11049 at 20ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI staining (blue).



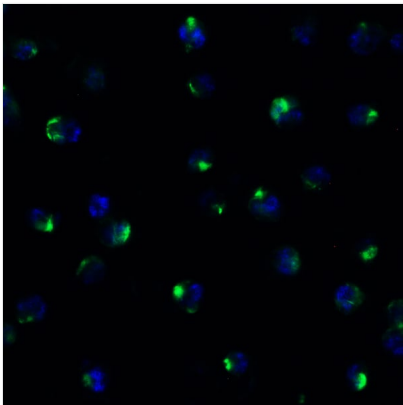
IF (Immunofluorescence)

Figure 6 Immunofluorescence Validation of PEX10 in Mouse ThymusImmunofluorescent analysis of 4% paraformaldehyde-fixed mouse thymus labeling PEX10 with AAA11049 at 20ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI staining (blue).



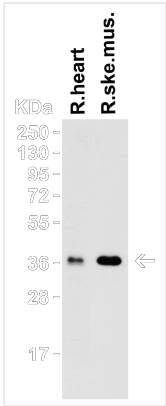
IF (Immunofluorescence)

Figure 5 Immunofluorescence Validation of PEX10 in Human Spleen Immunofluorescent analysis of 4% paraformaldehyde-fixed human spleen labeling PEX10 with AAA11049 at 20ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI staining (blue).



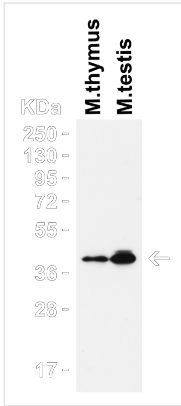
IF (Immunofluorescence)

Figure 4 Immunofluorescence Validation of PEX10 in Human Daudi CellsImmunofluorescent analysis of 4% paraformaldehyde-fixed Daudi cells labeling PEX10 with AAA11049 at 20ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI staining (blue).



WB (Western Blot)

Figure 3 WB Validation in Rat TissuesLoading: 15ug of lysates per lane.Antibodies: PEX10 AAA11049, 4ug/mL, 1h incubation at RT in 5% NFDN/TBST.Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10,000 dilution.



WB (Western Blot)

Figure 2 WB Validation in Mouse Tissues Loading: 15ug of lysates per lane.Antibodies: PEX10 AAA11049, 4ug/mL, 1h incubation at RT in 5% NFDN/TBST.Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10,000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-PEX10 antibody	PEX10 is implicated in the biogenesis of peroxisomes. Mutations in this gene result in phenotypes within the Zellweger spectrum of peroxisomal biogenesis disorders, ranging from neonatal adrenoleukodystrophy to Zellweger syndrome.
Product Categories/Family for anti-PEX10 antibody	Primary Antibodies
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	3914299
NCBI GeneID	5192
NCBI Accession #	NP_002608.1
NCBI GenBank Nucleotide #	NM_002617.3
UniProt Accession #	O60683; Q5T095; Q9BW90; B3KWD8
Molecular Weight	37,069 Da
NCBI Official Full Name	peroxisome biogenesis factor 10 isoform 2
NCBI Official Synonym Full Names	peroxisomal biogenesis factor 10
NCBI Official Symbol	PEX10
NCBI Official Synonym Symbols	NALD; PBD6A; PBD6B; RNF69
NCBI Protein Information	peroxisome biogenesis factor 10; peroxin 10; peroxin-10; RING finger protein 69; peroxisome assembly protein 10
UniProt Protein Name	Peroxisome biogenesis factor 10
UniProt Gene Name	PEX10
UniProt Synonym Gene Names	RNF69
UniProt Entry Name	PEX10_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pex10-antibody-western-blot-immunofluorescence-elisa/11049>