

Rabbit PEX3 Polyclonal Antibody | anti-PEX3 antibody

PEX3 (CT) Antibody

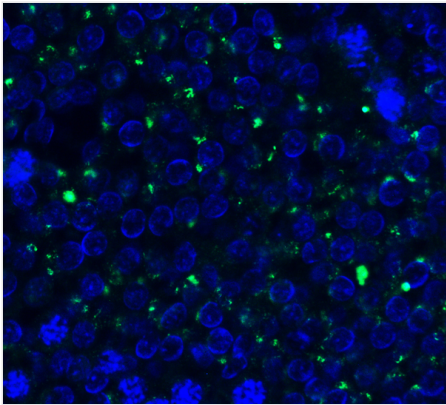
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA11047	Rabbit	Human, Mouse, Rat	ELISA, Western Blot, Immunofluorescence

PRODUCT SYNONYMS

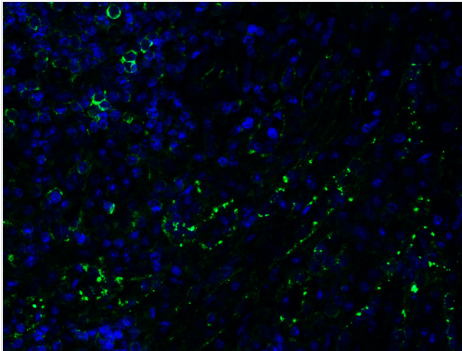
PEX3; Polyclonal Antibody; PEX3 (CT) Antibody; PEX3 Antibody: Peroxisomal biogenesis factor 3; Peroxin-3; Peroxisomal assembly protein PEX3; anti-PEX3 antibody

PRODUCT SPECIFICATIONS

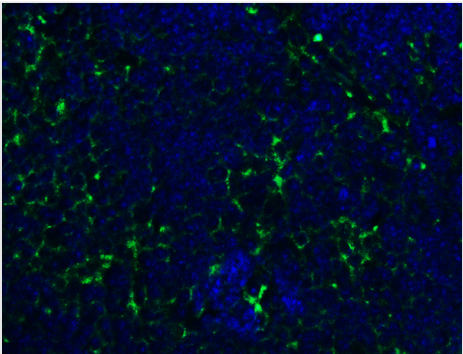
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	PEX3 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid; PEX3 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-PEX3 antibody	ELISA, WB (Western Blot), IF (Immunofluorescence)
Application Notes	WB: 2ug/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-PEX3 antibody (9665) was raised against a peptide corresponding to 12 amino acids near the carboxyl terminal of human PEX3. The immunogen is located within last 50 amino acids of PEX3.
Homology	Predicted species reactivity based on immunogen sequence: monkey (100%), cow (100%)
Research Area	Signal Transduction
NCBI Organism	Homo sapiens
Isoforms	Human PEX3 has 1 isoform, including isoform 1 (373aa, 42kD). Mouse PEX3 has 1 isoform (372aa, 42kD). Rat PEX3 has one isoform (372aa, 42kD). can detect PEX3 in human, mouse and rat.
Preparation and Storage	PEX3 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.



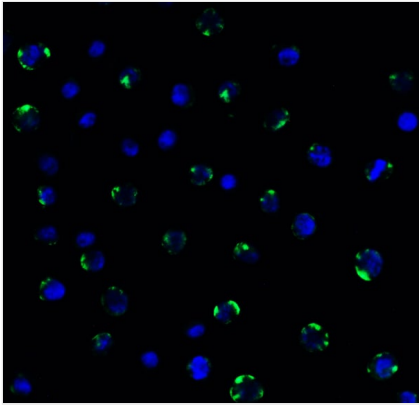
IF (Immunofluorescence)
Figure 7 Immunofluorescence Validation of PEX3 in Rat testisImmunofluorescent analysis of 4% paraformaldehyde-fixed rat testis labeling PEX3 with AAA11047 at 20ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI staining (blue).



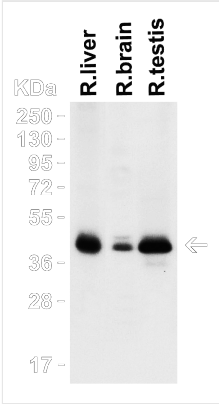
IF (Immunofluorescence)
Figure 5 Immunofluorescence Validation of PEX3 in Human SpleenImmunofluorescent analysis of 4% paraformaldehyde-fixed human spleen labeling PEX3 with AAA11047 at 20ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI staining (blue).



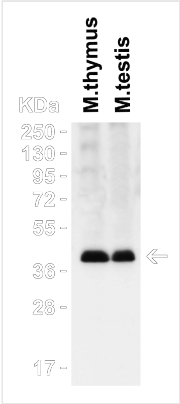
IF (Immunofluorescence)
Figure 6 Immunofluorescence Validation of PEX3 in Mouse ThymusImmunofluorescent analysis of 4% paraformaldehyde-fixed mouse thymus labeling PEX3 with AAA11047 at 20ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI staining (blue).



IF (Immunofluorescence)
Figure 4 Immunofluorescence Validation of PEX3 in Human HeLa CellsImmunofluorescent analysis of 4% paraformaldehyde-fixed HeLa cells labeling PEX3 with AAA11047 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 Western Blot Validation in Rat TissuesLoading: 15ug of lysates per lane.Antibodies: PEX3 AAA11047, 2ug/mL, 1h incubation at RT in 5% NFDm/TBST.Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10,000 dilution.



WB (Western Blot)
Figure 2 Western Blot Validation in Mouse Tissues Loading: 15ug of lysates per lane.Antibodies: PEX3 AAA11047, 2ug/mL, 1h incubation at RT in 5% NFDm/TBST.Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10,000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-PEX3 antibody	PEX3 Antibody: PEX3 is involved in peroxisome biosynthesis and integrity. It assembles membrane vesicles before the matrix proteins are translocated. As a docking factor for PEX19, PEX3 is necessary for the import of peroxisomal membrane proteins in the peroxisomes. Thus within the cell, PEX3 is stabilized by PEX19 preventing PEX3 aggregation. Mutations in the PEX19-binding domain of PEX3 reduce the affinity for PEX19 and destabilize PEX3.
Product Categories/Family for anti-PEX3 antibody	Primary Antibodies
References	Ghaedi et al. Mol Biol Cell. 2000; 11(6):2085-2102 Fang et al. J Cell Biol. 2004;164(6):863-875 Hattula et al. PloS One. 2014; 9(7):e103101 Schmidt et al. Traffic. 2012; 13(9):1244-1260

NCBI AND UNIPROT INFORMATION

NCBI GI #	3914303
NCBI GeneID	8504
NCBI Accession #	NP_003621.1
NCBI GenBank Nucleotide #	NM_003630.2
UniProt Accession #	P56589 ; Q6FGP5
Molecular Weight	42,140 Da
NCBI Official Full Name	peroxisomal biogenesis factor 3
NCBI Official Synonym Full Names	peroxisomal biogenesis factor 3
NCBI Official Symbol	PEX3
NCBI Official Synonym Symbols	TRG18; PBD10A
NCBI Protein Information	peroxisomal biogenesis factor 3; peroxin-3; peroxisomal assembly protein PEX3; transformation-related protein 18
UniProt Protein Name	Peroxisomal biogenesis factor 3
UniProt Gene Name	PEX3
UniProt Entry Name	PEX3_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/pex3-antibody-western-blot-immunofluorescence-elisa/11047>