

Rabbit PEX14 Polyclonal Antibody | anti-PEX14 antibody

PEX14 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324943	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PEX14; Polyclonal Antibody; PEX14 Antibody; dJ734G22.2; NAPP2; NF E2 associated polypeptide 2; Peroxin 14; Peroxin-14; Peroxisomal biogenesis factor 14; Peroxisomal membrane anchor protein PEX14; Peroxisomal membrane anchor protein Pex14p; Peroxisomal membrane protein PEX14; pex14; PEX14_HUMAN; Pex14p; PTS1 receptor docking protein; PTS1 receptor-docking protein; anti-PEX14 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PEX14 antibody detects endogenous levels of total PEX14
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	377
Applicable Applications for anti-PEX14 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Peroxisome Membrane.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Xenopus
Similarity	Pig (100%), Zebrafish (85%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324943 staining A549 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA324943 at 1/100 staining Human lung cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from A549 cells, using PEX14 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PEX14 antibody

Function: Peroxisome membrane protein that is an essential component of the peroxisomal import machinery. Functions as a docking factor for the predominantly cytoplasmic PTS1 receptor (PEX5). Plays a key role for peroxisome movement through a direct interaction with tubulin.
Subunit Structure: Interacts with PEX5, PEX13 and PEX19. Interacts with tubulin.
Similarity: Belongs to the peroxin-14 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758896
NCBI GeneID	5195
NCBI Accession #	NP_004556.1
NCBI GenBank Nucleotide #	NM_004565.2
UniProt Accession #	O75381; Q8WX51; B2R7N1; B3KML6; B7Z1N2
Molecular Weight	Observed: 38 kD Predicted: 42 kDa
NCBI Official Full Name	peroxisomal membrane protein PEX14
NCBI Official Synonym Full Names	peroxisomal biogenesis factor 14
NCBI Official Symbol	PEX14
NCBI Official Synonym Symbols	NAPP2; PBD13A; Pex14p; dJ734G22.2
NCBI Protein Information	peroxisomal membrane protein PEX14
UniProt Protein Name	Peroxisomal membrane protein PEX14
UniProt Gene Name	PEX14

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/pex14-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324943>