

Rabbit anti-Human, mouse PEX14 Polyclonal Antibody | anti-PEX14 antibody

PEX14 Antibody (Center)

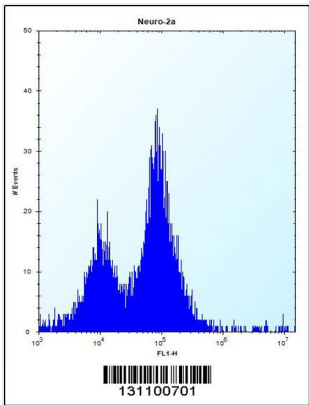
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286661	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

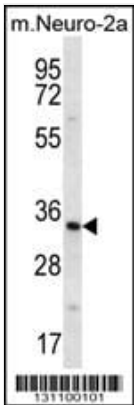
PEX14; Polyclonal Antibody; PEX14 Antibody (Center); Peroxisomal membrane protein PEX14; PTS1 receptor-docking protein; Peroxin-14; Peroxisomal membrane anchor protein PEX14; anti-PEX14 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PEX14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 121-150 amino acids from the Central region of human PEX14.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.39 (varies by lot)
Sequence Positions	121-150
Sequence Length	334
Applicable Applications for anti-PEX14 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
PEX14 Antibody (Center) flow cytometric analysis of Neuro-2a cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
PEX14 Antibody (Center) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane).This demonstrates the PEX14 antibody detected the PEX14 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PEX14 antibody	This gene encodes an essential component of the peroxisomal import machinery. The protein is integrated into peroxisome membranes with its C-terminus exposed to the cytosol, and interacts with the cytosolic receptor for proteins containing a PTS1 peroxisomal targeting signal. The protein also functions as a transcriptional corepressor and interacts with a histone deacetylase. A mutation in this gene results in one form of Zellweger syndrome.
Product Categories/Family for anti-PEX14 antibody	Signal Transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Macgregor, S., et al. Hum. Mol. Genet. 19(13):2716-2724(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Shiozawa, K., et al. J. Biol. Chem. 284(37):25334-25342(2009)

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	41237
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
UniProt Entry Name	PEX14_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/pex14-antibody-flow-cytometry-western-blot-elisa/286661>