

Rabbit PEX14 Polyclonal Antibody | anti-PEX14 antibody

PEX14 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284305	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PEX14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 343-370 amino acids from the C-terminal 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: 0.337 (varies by lot)
Sequence Positions	343-370
Sequence Length	334
Applicable Applications for anti-PEX14 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), 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.

IMAGES



FCM/FACS (Flow Cytometry)

PEX14 Antibody (C-term) flow cytometry analysis of MDA-MB231 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human brain tissue reacted with PEX14 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of PEX14 Antibody (C-term) in HL-60 cell line lysates (35ug/lane).
PEX14 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PEX14 antibody	PEX14 belongs to the peroxin 14 family. It is a component of the peroxisomal translocation machinery with PEX13 and PEX17 and interacts with both the PTS1 and PTS2 receptors. PEX14 binds directly to PEX17. Defects in PEX14 are the cause of peroxisome biogenesis disorder complementation group K (PBD-CGK) [MIM:601791] and Zellweger syndrome (ZWS) [MIM:214100].
Product Categories/Family for anti-PEX14 antibody	Signal Transduction
References	Neufeld C., et.al., EMBO J. 28:745-754(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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/pex14-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/284305>