

Rabbit anti-Human PEX19 Polyclonal Antibody | anti-PEX19 antibody

Anti-PEX19 Antibody, Rabbit Polyclonal

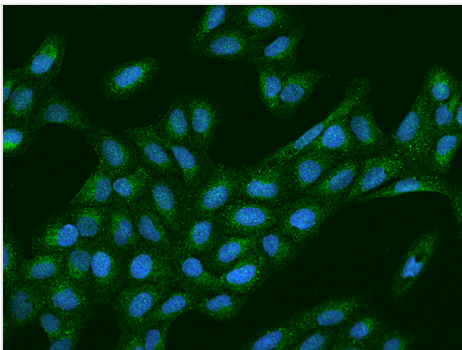
CATALOG # AAA255975	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunocytochemistry, Immunohistochemistry
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PRODUCT SYNONYMS

PEX19; Polyclonal Antibody; Anti-PEX19 Antibody; Rabbit Polyclonal; PEX19 Antibody; Rabbit PAb; Antigen Affinity Purified; peroxisomal biogenesis factor 19; Anti-D1S2223E Antibody; Anti-HK33 Antibody; Anti-PBD12A Antibody; Anti-PMP1 Antibody; Anti-PMPI Antibody; Anti-PXF Antibody; Anti-PXMP1 Antibody; anti-PEX19 antibody

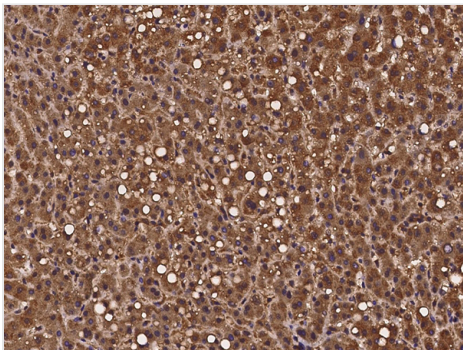
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PEX19
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PEX19 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human PEX19 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PEX19 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



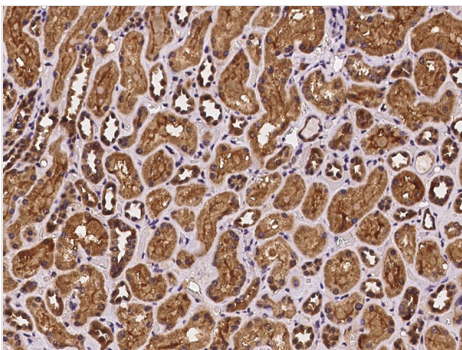
IF (Immunofluorescence)

Immunofluorescence staining of PEX19 in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human PEX19 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human PEX19 in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human PEX19 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-PEX19 antibody	PEX19 is a chaperone and import receptor for newly synthesized, class I peroxisomal membrane proteins (PMPs). PEX19 binds these PMPs in the cytoplasm and delivers them to the peroxisome for subsequent insertion into the peroxisome membrane, indicating that there may be a PEX19 docking factor in the peroxisome membrane. The human peroxins PEX3 and PEX19 are essential for peroxisome biogenesis. They mediate the import of membrane proteins as well as the de novo formation of peroxisomes. The PEX3 membrane protein acts as a docking site for PEX19, a cytosolic chaperone for PMPs that delivers PMPs to the endoplasmic reticulum or peroxisomal membrane. PEX19 binds newly synthesized peroxisomal membrane proteins post-translationally and directs them to peroxisomes by engaging PEX3, a protein anchored in the peroxisomal membrane. After protein insertion into the lipid bilayer, PEX19 is released back to the cytosol.
References	Schmidt F, et al. (2012) The role of conserved pex3 regions in pex19-binding and peroxisome biogenesis. Traffic 13 (9): 1244-1260. McDonnell MM, et al. (2016) The early-acting peroxin pex19 is redundantly encoded, farnesylated, and essential for viability in arabidopsis thaliana. PLoS One 11 (1): e0148335. Fang Y, et al. (2004) Pex3 functions as a pex19 docking factor in the import of class I peroxisomal membrane proteins. J Cell Biol 164 (6): 863-875. Agrawal G, et al. (2017) Functional regions of the peroxin pex19 necessary for peroxisome biogenesis. J Biol Chem 292 (27): 11547-11560.

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.