

Rabbit PEX19 Polyclonal Antibody | anti-PEX19 antibody

PEX19 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327062	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

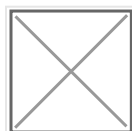
PRODUCT SYNONYMS

PEX19; Polyclonal Antibody; PEX19 Antibody; 33 kDa housekeeping protein; D1S2223E; HK33; Housekeeping gene 33kD; OK/SW-cl.22; PBD12A; Peroxin 19; Peroxin-19; Peroxisomal biogenesis factor 19; Peroxisomal farnesylated protein; PEX19_HUMAN; PMP1; PMPI; PXF; PXMP1; anti-PEX19 antibody

PRODUCT SPECIFICATIONS

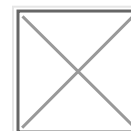
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PEX19 antibody detects endogenous levels of total PEX19
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	279
Applicable Applications for anti-PEX19 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PEX19
Subcellular Location	Cytoplasm. Peroxisome Membrane. Mainly cytoplasmic. Some fraction membrane-associated to the outer surface of peroxisomes.
Tissue Specificity	Ubiquitously expressed. Isoform 1 is strongly predominant in all tissues except in utero where isoform 2 is the main form.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA327062 at 1/100 staining Human breast 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 A549 whole cell lysates, using PEX19 Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA327062 staining MCF7 cells 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) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PEX19 antibody	Description: This gene is necessary for early peroxisomal biogenesis. It acts both as a cytosolic chaperone and as an import receptor for peroxisomal membrane proteins (PMPs). Peroxins (PEXs) are proteins that are essential for the assembly of functional peroxisomes. The peroxisome biogenesis disorders (PBDs) are a group of genetically heterogeneous autosomal recessive, lethal diseases characterized by multiple defects in peroxisome function. These disorders have at least 14 complementation groups, with more than one phenotype being observed for some complementation groups. Although the clinical features of PBD patients vary, cells from all PBD patients exhibit a defect in the import of one or more classes of peroxisomal matrix proteins into the organelle. Defects in this gene are a cause of Zellweger syndrome (ZWS), as well as peroxisome biogenesis disorder complementation group 14 (PBD-CG14), which is also known as PBD-CGJ. Alternative splicing results in multiple transcript variants. Function: Necessary for early peroxisomal biogenesis. Acts both as a cytosolic chaperone and as an import receptor for peroxisomal membrane proteins (PMPs). Binds and stabilizes newly synthesized PMPs in the cytoplasm by interacting with their hydrophobic membrane-spanning domains, and targets them to the peroxisome membrane by binding to the integral membrane protein PEX3. Excludes CDKN2A from the nucleus and prevents its interaction with MDM2, which results in active degradation of TP53. Subunit Structure: Interacts with a broad range of peroxisomal membrane proteins, including PEX3, PEX10, PEX11A, PEX11B, PEX12, PEX13, PEX14 and PEX16, PXMP2/PMP22, PXMP4/PMP24, SLC25A17/PMP34, ABCD1/ALDP, ABCD2/ALDRP, and ABCD3/PMP70. Also interacts with the tumor suppressor CDKN2A/p19ARF. Similarity: Belongs to the peroxin-19 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	302370946
NCBI GeneID	5824
NCBI Accession #	NP_001180573.1
NCBI GenBank Nucleotide #	NM_001193644.1
UniProt Accession #	P40855; Q5QNY4; Q8NI97; D3DVE7
Molecular Weight	Observed: 32 kDa Predicted: 33 kDa
NCBI Official Full Name	peroxisomal biogenesis factor 19 isoform c
NCBI Official Synonym Full Names	peroxisomal biogenesis factor 19
NCBI Official Symbol	PEX19
NCBI Official Synonym Symbols	PXF; HK33; PMP1; PMPI; PXMP1; PBD12A; D1S2223E
NCBI Protein Information	peroxisomal biogenesis factor 19
UniProt Protein Name	Peroxisomal biogenesis factor 19
UniProt Gene Name	PEX19
UniProt Synonym Gene Names	HK33; PXF

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/pex19-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327062>