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PEX19 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14390A

Specification

PEX19 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P40855
Other Accession	Q9QYU1, Q3SZD1, NP_001180573.1, NP_002848.1
Reactivity	**Human**
Predicted	**Bovine, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**32807**
Antigen Region	**33-61**

PEX19 Antibody (N-term) - Additional Information

Gene ID 5824

Other Names
Peroxisomal biogenesis factor 19, 33 kDa housekeeping protein, Peroxin-19, Peroxisomal farnesylated protein, PEX19, HK33, PXF

Target/Specificity
This PEX19 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 33-61 amino acids from the N-terminal region of human PEX19.

Dilution
WB~~1:1000

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.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PEX19 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PEX19 Antibody (N-term) - Protein Information

Name PEX19 (HGNC:9713)

Synonyms HK33, PXF

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.

Cellular Location
Cytoplasm. Peroxisome membrane; Lipid-anchor; Cytoplasmic side. Note=Mainly cytoplasmic. Some fraction membrane-associated to the outer surface of peroxisomes.

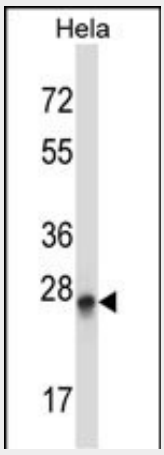
Tissue Location
Ubiquitously expressed. Isoform 1 is strongly predominant in all tissues except in utero where isoform 2 is the main form.

PEX19 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PEX19 Antibody (N-term) - Images



PEX19 Antibody (N-term) (Cat. #AP14390a) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the PEX19 antibody detected the PEX19 protein (arrow).

PEX19 Antibody (N-term) - Background

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.

PEX19 Antibody (N-term) - References

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