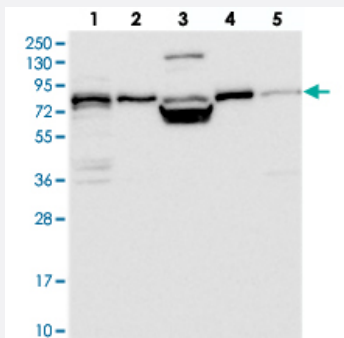


PEX5 polyclonal antibody

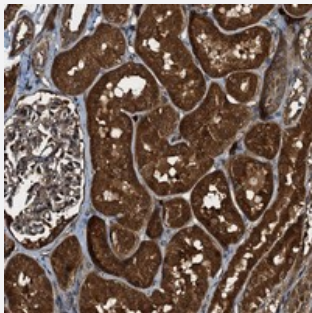
Catalog # PAB23410 Size 100 uL

Applications



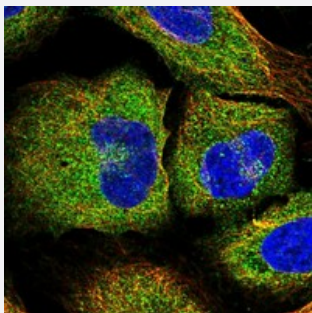
Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with PEX5 polyclonal antibody (Cat # PAB23410) at 1:250-1:500 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human kidney with PEX5 polyclonal antibody (Cat # PAB23410) shows strong cytoplasmic positivity in cells of tubules at 1:50-1:200 dilution.



Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with PEX5 polyclonal antibody (Cat # PAB23410) at 1-4 ug/mL dilution shows positivity in cytoplasm.

Specification

Product Description

Rabbit polyclonal antibody raised against recombinant PEX5.

Immunogen

Recombinant protein corresponding to amino acids of human PEX5.

Sequence	DAVDVTQDYNETDWSQEFISEVTDPLSVSPARWAEELYEQSEEKLWLGEPEGTATDRWYDEYH PEEDLQHTASDFVAKVDDPKLA
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:250-1:500) Immunofluorescence (1-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with PEX5 polyclonal antibody (Cat # PAB23410) at 1:250-1:500 dilution.

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Gene Info — PEX5

Entrez GeneID [5830](#)

Protein Accession# [P50542](#)

Gene Name	PEX5
Gene Alias	FLJ50634, FLJ50721, FLJ51948, PTS1-BP, PTS1R, PXR1
Gene Description	peroxisomal biogenesis factor 5
Omim ID	202370 214100 600414
Gene Ontology	Hyperlink
Gene Summary	<p>The product of this gene binds to the C-terminal PTS1-type tripeptide peroxisomal targeting signal (SKL-type) and plays an essential role in peroxisomal protein import. 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. The peroxisomal biogenesis disorders are a heterogeneous group with at least 14 complementation groups and with more than 1 phenotype being observed in cases falling into particular 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 neonatal adrenoleukodystrophy (NALD), a cause of Zellweger syndrome (ZWS) as well as may be a cause of infantile Refsum disease (IRD). Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]</p>
Other Designations	peroxin-5 peroxisomal C-terminal targeting signal import receptor peroxisomal targeting signal 1 (SKL type) receptor peroxisomal targeting signal import receptor peroxisomal targeting signal receptor 1 peroxisome receptor 1