Product Datasheet

PEX5 Antibody

Catalog No: #33042

Package Size: #33042-1 50ul #33042-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

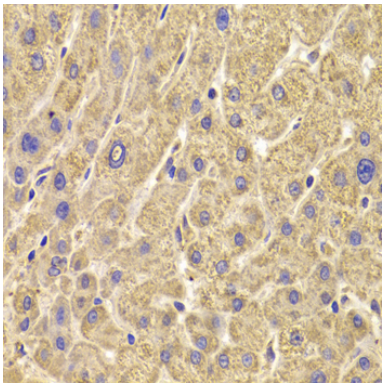
Description

Product Name	PEX5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total PEX5 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human PEX5.
Target Name	PEX5
Other Names	PXR1; PBD2A; PBD2B; PTS1R; PTS1-BP
Accession No.	Swiss-Prot:P50542NCBI Gene ID:5830
Uniprot	P50542
GeneID	5830;
SDS-PAGE MW	70KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

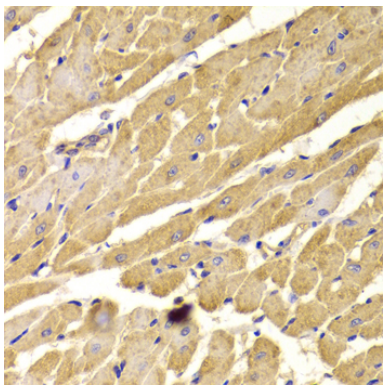
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:50 - 1:200

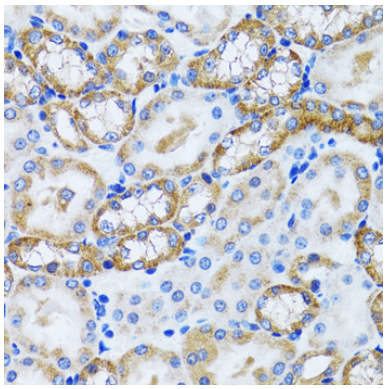
Images



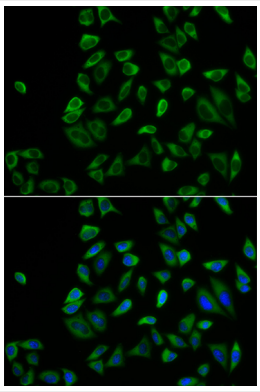
Immunohistochemistry of paraffin-embedded human liver damage using PEX5 at dilution of 1:100 (40x lens).



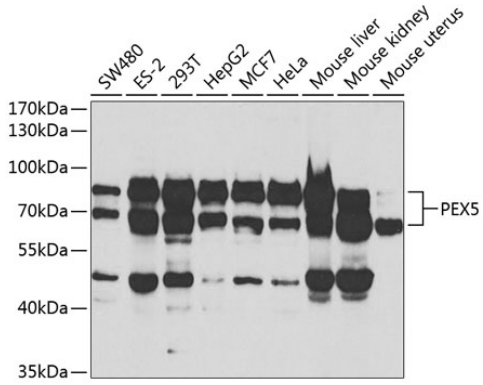
Immunohistochemistry of paraffin-embedded rat heart using PEX5 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse kidney using PEX5 at dilution of 1:100 (40x lens).



Immunofluorescence analysis of HeLa cells using PEX5 . Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using PEX5 at 1:1000 dilution._Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution._Lysates/proteins: 25ug per lane._Blocking buffer: 3% nonfat dry milk in TBST._Detection: ECL Basic Kit (RM00020)._Exposure time: 90s.

Background

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.

Note: This product is for in vitro research use only