

PEX5 Rabbit Polyclonal Antibody



CAB5780

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

70-85kDa

Calculated MW:

66kDa/69kDa/70kDa/72kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

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

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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. Peroxisins (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.

Immunogen information

Gene ID:

5830

Uniprot

P50542

Synonyms:

PEX5; PBD2A; PBD2B; PTS1-BP; PTS1R; PXR1; RCDP5

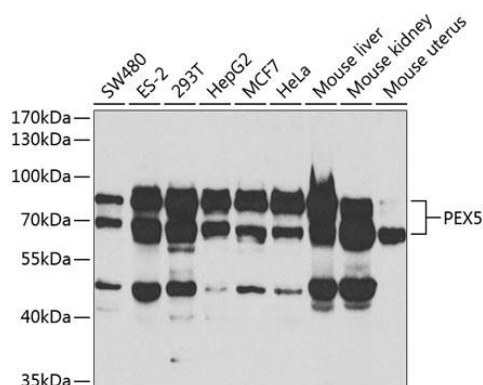
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-260 of human PEX5 (NP_000310.2).

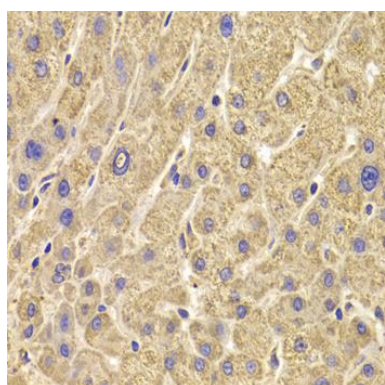
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

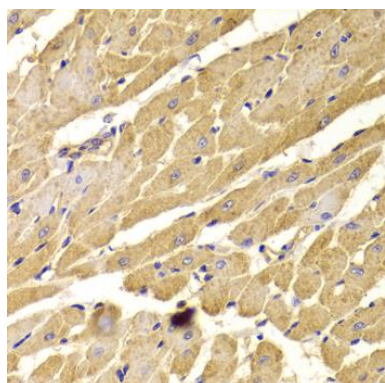
Product Images



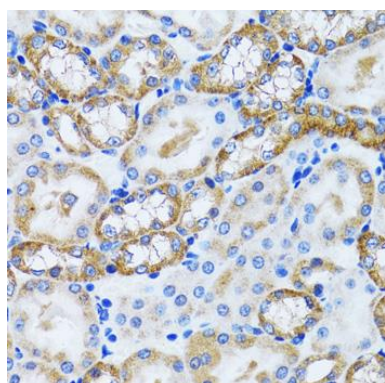
Western blot analysis of extracts of various cell lines, using PEX5 antibody (CAB5780) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Immunohistochemistry of paraffin-embedded human liver tissue using PEX5 antibody (CAB5780) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat heart tissue using PEX5 antibody (CAB5780) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse kidney tissue using PEX5 antibody (CAB5780) at dilution of 1:100 (40x lens).