

Datasheet for ABIN7261734

anti-PEX5 antibody

4 Images

[Go to Product page](#)

Overview

| | |
|--------------|---|
| Quantity: | 200 µL |
| Target: | PEX5 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PEX5 antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), Immunofluorescence (IF) |

Product Details

| | |
|------------------|---|
| Immunogen: | Recombinant fusion protein of human PEX5 (NP_000310.2). |
| Isotype: | IgG |
| Characteristics: | Polyclonal Antibody |
| Purification: | Affinity purification |

Target Details

| | |
|-------------------|---|
| Target: | PEX5 |
| Alternative Name: | PEX5 (PEX5 Products) |
| 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, |

Target Details

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.

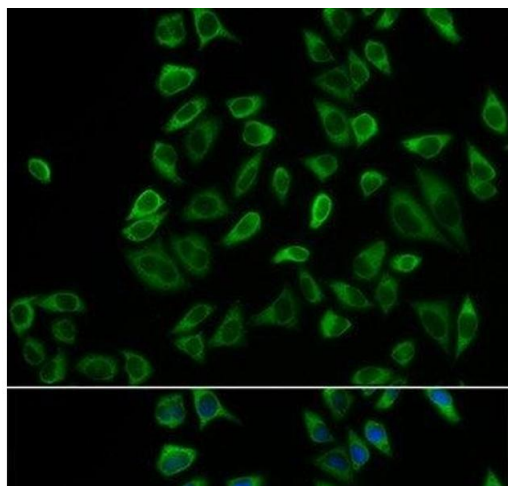
| | |
|-----------|---|
| Gene ID: | 5830 |
| UniProt: | P50542 |
| Pathways: | Monocarboxylic Acid Catabolic Process |

Application Details

| | |
|--------------------|------------------------------|
| Application Notes: | IHC 1:50-1:200 IF 1:50-1:200 |
| Restrictions: | For Research Use only |

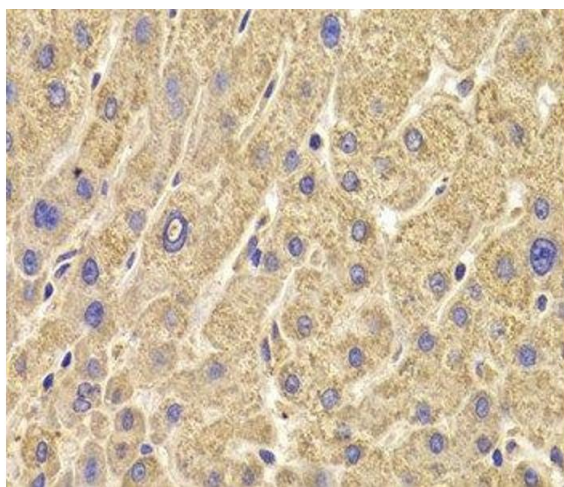
Handling

| | |
|--------------------|--|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3 |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |



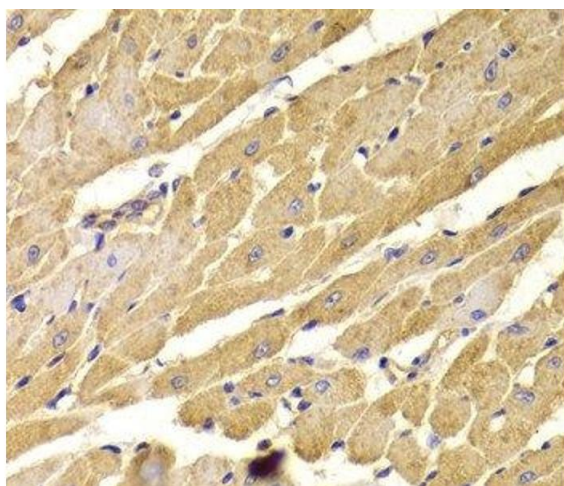
Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells using PEX5 Polyclonal Antibody



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded Human liver tissue using PEX5 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Rat heart tissue using PEX5 Polyclonal Antibody at dilution of 1:100 (40x lens).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7261734.