

PEX5 Polyclonal Antibody

Catalog NumberPA5-30214

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Western Blot (WB)	1:500-1:3,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 318 and 555 of Human PEX5	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: U87-MG. Predicted reactivity: Mouse (94%), Rat (96%), Chicken (83%), Bovine (95%), Guinea pig (98%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

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. Peroxis (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.

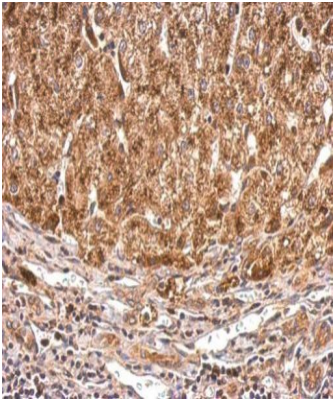
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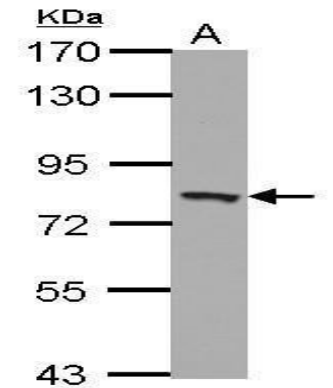
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Product Images For PEX5 Polyclonal Antibody



PEX5 Antibody (PA5-30214) in IHC (P)
PEX5 Polyclonal Antibody detects PEX5 protein at cytosol on human hepatoma by immunohistochemical analysis. Sample: Paraffin-embedded hepatoma. PEX5 Polyclonal Antibody (Product # PA5-30214) dilution: 1:500. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



PEX5 Antibody (PA5-30214) in WB
Western Blot using PEX5 Polyclonal Antibody (Product # PA5-30214). Sample (30 µg of whole cell lysate). A: U87-MG . 7.5% SDS PAGE. PEX5 Polyclonal Antibody (Product # PA5-30214) diluted at 1:1,000.

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