

For Research Use Only

PEX1 Polyclonal antibody

Catalog Number: 13669-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number: 13669-1-AP	GenBank Accession Number: BC035575	Purification Method: Antigen affinity purification
Concentration: 500 ug/ml	GeneID (NCBI): 5189	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: O43933	
Isotype: IgG	Full Name: peroxisomal biogenesis factor 1	
Immunogen Catalog Number: AG4623	Calculated MW: 1283 aa, 143 kDa	
	Observed MW: 143 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : Jurkat cells, HeLa cells
Cited Applications: WB, IHC, IF	IHC : human liver cancer tissue, human kidney tissue
Species Specificity: human, mouse, rat	IF/ICC : HepG2 cells, A431 cells, HeLa cells
Cited Species: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Peroxin (PEX) proteins generate and maintain peroxisomes. The peroxin-1 (PEX1) ATPase facilitates the recycling of the peroxisome matrix protein receptor PEX5 and is the most commonly affected peroxin in human peroxisome biogenesis disorders (PMID: 28600347). PEX1 and PEX6 are the only members of the AAA family (for ATPases associated with diverse cellular) activities implicated in peroxisome biogenesis and are closely related to p97, which functions in endoplasmic reticulum-associated protein degradation to retrotranslocate endoplasmic reticulum proteins to the cytosol (PMID: 9695811; 11740563).

Notable Publications

Author	Pubmed ID	Journal	Application
Catherine Argyriou	34703844	Mol Ther Methods Clin Dev	WB
Amy C Flor	29090099	Cell Death Discov	WB
Gillian E MacLean	30362618	J Cell Biochem	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

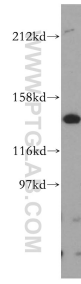
T: 4006900926

E: Proteintech-CN@ptglab.com

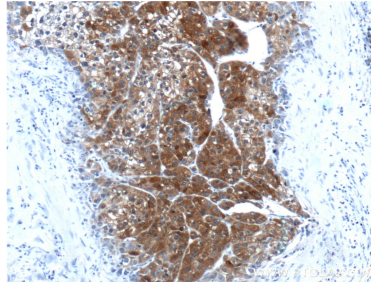
W: ptgcn.com

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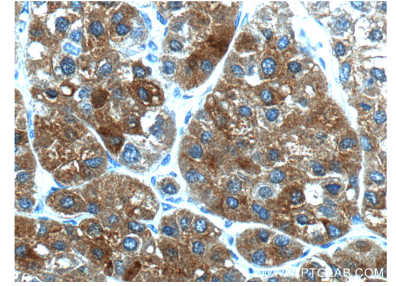
Selected Validation Data



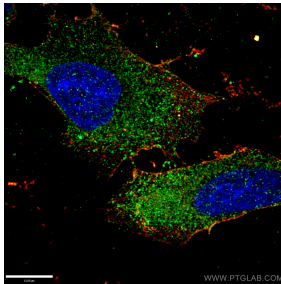
Jurkat cells were subjected to SDS PAGE followed by western blot with 13669-1-AP (PEX1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 13669-1-AP (PEX1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 13669-1-AP (PEX1 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 13669-1-AP (PEX1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).