

For Research Use Only

Prohibitin Monoclonal antibody, PBS Only



Catalog Number: 60092-1-PBS

Basic Information

Catalog Number: 60092-1-PBS	GenBank Accession Number: BC013401	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 5245	CloneNo.: 4D3G5
Source: Mouse	UNIPROT ID: P35232	
Isotype: IgG1	Full Name: prohibitin	
Immunogen Catalog Number: AG1240	Calculated MW: 30 kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, IHC

Species Specificity:
human, pig, rat

Background Information

Prohibitin, also known as PHB, a member of the Band-7 family of proteins, is widely distributed in bacteria, plants, yeast, protozoa and mammals and is important in cell proliferation, differentiation and apoptosis (PMID: 20840588). This protein localizes to the inner membrane of mitochondria, where it acts as a chaperone protein, and is also found in the nucleus, where it negatively regulates transcription (PMID: 18558096). Recent study confirmed that the expression and distribution of PHB, which is a nuclear matrix protein, affect the apoptosis of HaCaT cells and its colocalization with specific gene products connected with cell apoptosis (PMID: 24402549).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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

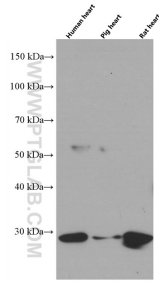
T: 4006900926

E: Proteintech-CN@ptglab.com

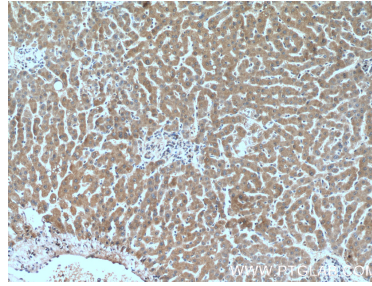
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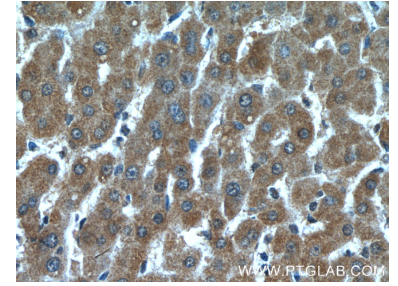
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60092-1-Ig (Prohibitin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60092-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 60092-1-Ig (Prohibitin antibody) at dilution of 1:200 (under 10x lens). This data was developed using the same antibody clone with 60092-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 60092-1-Ig (Prohibitin antibody) at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 60092-1-PBS in a different storage buffer formulation.