

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: 100ug , Concentration: 1 mg/ml by Nanodrop; | 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, IHC, Indirect ELISA

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 co-localization with specific gene products connected with cell apoptosis (PMID: 24402549).

Storage

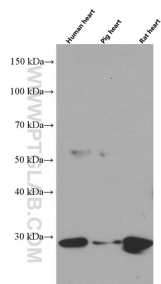
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

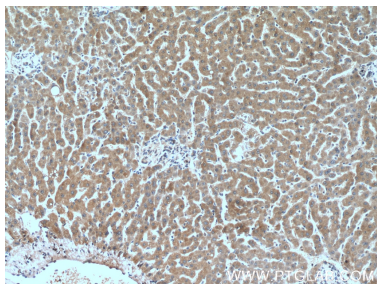
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

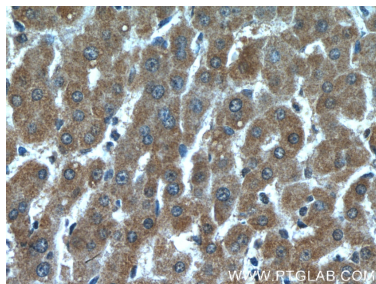
Selected Validation Data



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.