

For Research Use Only

Prohibitin 2 Monoclonal antibody, PBS Only

Catalog Number: 66424-1-PBS

Featured Product



Basic Information

Catalog Number:

66424-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG2977

GenBank Accession Number:

BC014766

GeneID (NCBI):

11331

UNIPROT ID:

Q99623

Full Name:

prohibitin 2

Calculated MW:

299 aa, 33 kDa

Observed MW:

33 kDa

Purification Method:

Protein G purification

CloneNo.:

1D9C7

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

PHB2, also named as BAP, REA, D-prohibitin, BAP37 and Prohibitin-2, belongs to the prohibitin family. It acts as a mediator of transcriptional repression by nuclear hormone receptors via recruitment of histone deacetylases. PHB2 functions as an estrogen receptor (ER)-selective coregulator that potentiates the inhibitory activities of antiestrogens and represses the activity of estrogens. It competes with NCOA1 for modulation of ER transcriptional activity. PHB2 is probably involved in regulating mitochondrial respiration activity and in aging.(PMID: 10359819)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only

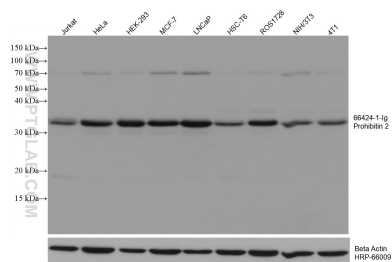
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

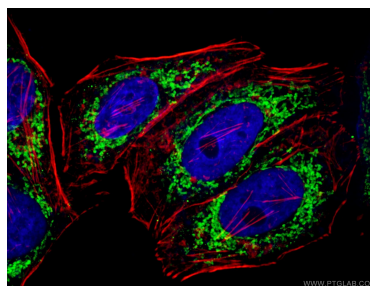
E: proteintech@ptglab.com
W: ptglab.com

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

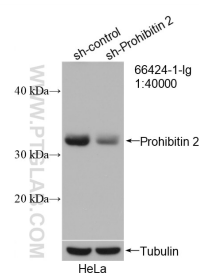
Selected Validation Data



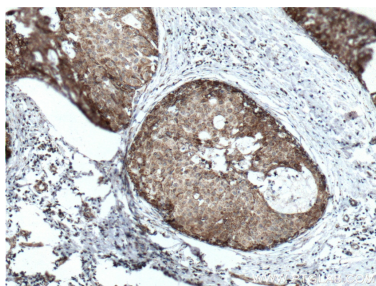
Various lysates were subjected to SDS PAGE followed by western blot with 66424-1-Ig (Prohibitin 2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 66424-1-PBS in a different storage buffer formulation.



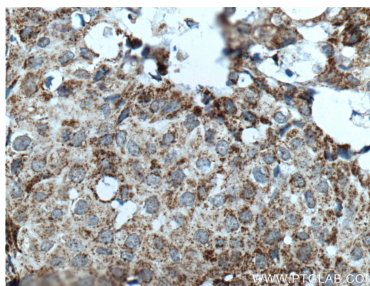
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66424-1-Ig (Prohibitin 2 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). F-actin was labelled in red with Phalloidin. This data was developed using the same antibody clone with 66424-1-PBS in a different storage buffer formulation.



WB result of Prohibitin 2 antibody (66424-1-Ig; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Prohibitin 2 transfected HeLa cells. This data was developed using the same antibody clone with 66424-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66424-1-Ig (Prohibitin 2 antibody at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66424-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66424-1-Ig (Prohibitin 2 antibody at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66424-1-PBS in a different storage buffer formulation.