

À des fins de recherche uniquement

# Anticorps Monoclonal anti-Prohibitin 2



Numéro de catalogue: 66424-1-Ig

Phare

11 Publications

## Informations de base

Numéro de catalogue:

66424-1-Ig

Numéro d'acquisition GenBank:

BC014766

Méthode de purification:

Purification par protéine G

Taille:

150ul, Concentration: 700 µg/ml by Bradford method using BSA as the standard;

Identification du gène (NCBI):

11331

CloneNo.:

1D9C7

Hôte:

Mouse

Nom complet:

prohibitin 2

Dilutions recommandées:

WB 1:10000-1:50000

IHC 1:50-1:500

IF 1:50-1:500

Isotype:

IgG1

MW calculé

299 aa, 33 kDa

MW observés:

33 kDa

Immunogen Catalog Number:

AG2977

## Applications

Applications testées:

IF, IHC, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) A défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

Contrôles positifs:

WB : cellules Jurkat, cellules 4T1, cellules HEK-293, cellules HeLa, cellules HSC-T6, cellules LNCaP, cellules MCF-7, cellules NIH/3T3, cellules ROS1728

IHC : tissu de cancer du sein humain, tissu cardiaque humain

IF : cellules HepG2,

## Informations générales

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)

## Publications notables

Autrice	Pubmed ID	Journal	Application
Ryan Houston	34495738	Mol Biol Cell	IHC
Chen Liang	31672359	Environ Pollut	WB,IF
Norihiko Furuya	30309841	EMBO Rep	WB

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

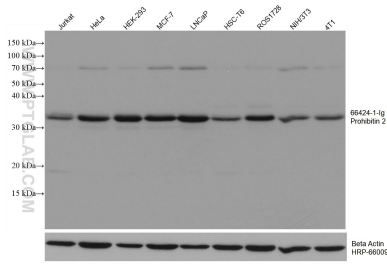
For technical support and original validation data for this product please contact:

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

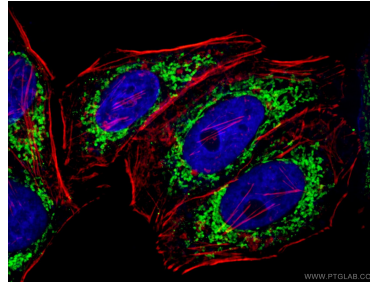
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

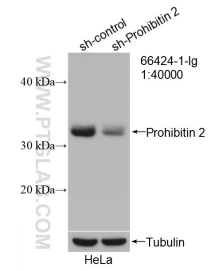
## Données de validation sélectionnées



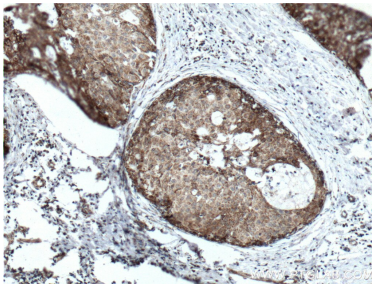
Various lysates were subjected to SDS PAGE followed by western blot with 66424-1-Ig (Prohibitin 2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



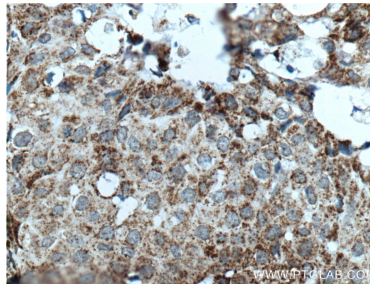
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66424-1-Ig (Prohibitin 2 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). F-actin was labelled in red with Phalloidin.



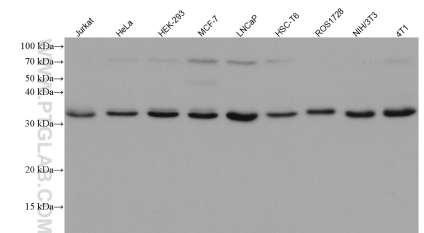
WB result of Prohibitin 2 antibody (66424-1-Ig; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Prohibitin 2 transfected HeLa cells.



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).



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).



Various lysates were subjected to SDS PAGE followed by western blot with 66424-1-Ig (Prohibitin 2 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours.