

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-Prohibitin 2



Numéro de catalogue: 12295-1-AP

Phare

37 Publications

## Informations de base

Numéro de catalogue:  
12295-1-AP

Taille:  
150ul, Concentration: 400 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;

Hôte:  
Lapin

Isotype:  
IgG

Immunogen Catalog Number:  
AG2977

Numéro d'acquisition GenBank:  
BC014766

Identification du gène (NCBI):  
11331

Nom complet:  
prohibitin 2

MW calculé:  
299 aa, 33 kDa

MW observés:  
33 kDa

Méthode de purification:  
Purification par affinité contre l'antigène

Dilutions recommandées:  
WB 1:2000-1:16000  
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB  
IHC 1:50-1:500  
IF 1:50-1:500

## Applications

Applications testées:  
IF, IHC, IP, WB, ELISA

Demandes citées:  
ColP, Electrochemical Immunosensor, IF, IHC, IP, WB

Spécificité de l'espèce:  
Humain, souris

Espèces citées:  
Humain, rat, riz, 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 HeLa,

IP : cellules HeLa, tissu cérébral de souris

IHC : tissu cardiaque humain, tissu pancréatique 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
Y Poitelon	26383514	Nat Commun	IF
Ryan Houston	34495738	Mol Biol Cell	WB
Kelly A Chamberlain	34506725	Neuron	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.

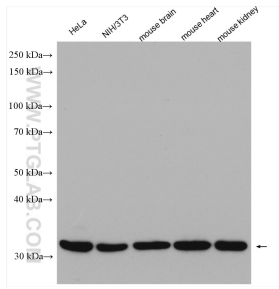
For technical support and original validation data for this product please contact:

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

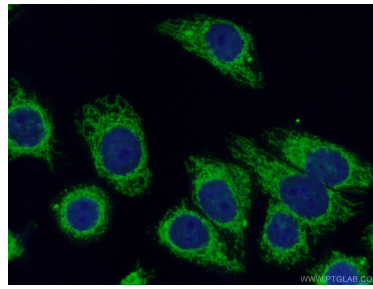
E: proteintech@ptglab.com  
W: ptglab.com

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

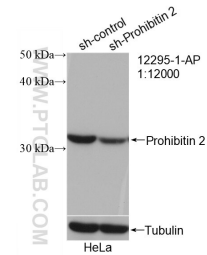
## Données de validation sélectionnées



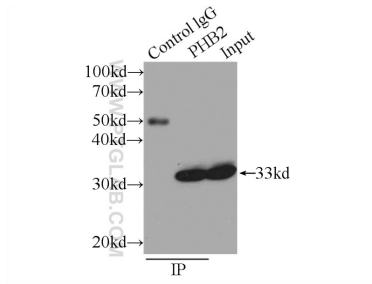
Various lysates were subjected to SDS PAGE followed by western blot with 12295-1-AP (Prohibitin 2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



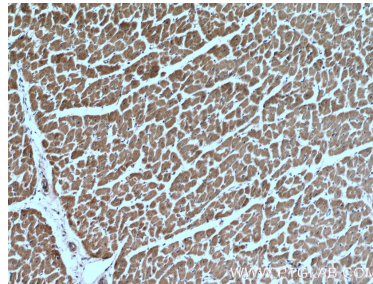
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 12295-1-AP (Prohibitin 2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



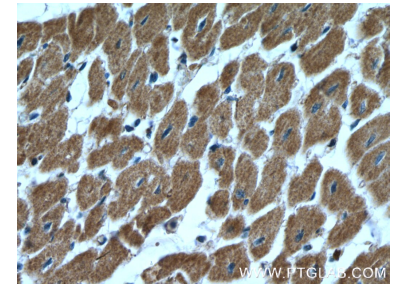
WB result of Prohibitin 2 antibody (12295-1-AP; 1:12000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Prohibitin 2 transfected HeLa cells.



IP Result of anti-Prohibitin 2 (IP:12295-1-AP, 3ug; Detection:12295-1-AP 1:1000) with HeLa cells lysate 1840ug.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 12295-1-AP (Prohibitin 2 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 12295-1-AP (Prohibitin 2 antibody) at dilution of 1:200 (under 40x lens).