

prohibitin 2 Polyclonal Antibody

Catalog number: 12295-1-AP

Size: 60 µg/150 µl

Source: Rabbit

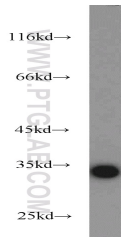
Isotype: IgG

Synonyms:

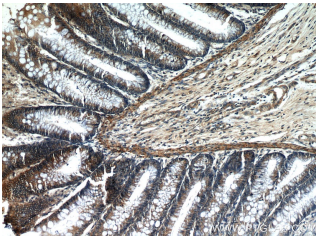
PHB2; BAP, Bap37, D

prohibitin, p22, PHB2, PNAS

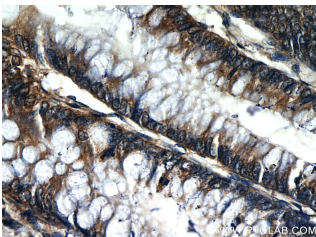
141, prohibitin 2, REA



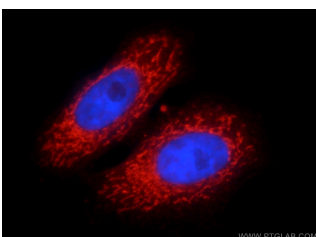
HeLa cells were subjected to SDS PAGE followed by western blot with 12295-1-AP (PHB2 antibody) at dilution of 1:1000



Immunohistochemistry of paraffin-embedded human colon slide using 12295-1-AP (PHB2 Antibody) at dilution of 1:50



Immunohistochemistry of paraffin-embedded human colon slide using 12295-1-AP (PHB2 Antibody) at dilution of 1:50



Immunofluorescent analysis of HepG2 cells, using PHB2

Background

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)

Applications

Tested applications:	ELISA, IF, IP, IHC, WB
Cited applications:	IF, IP, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse, rat, rice
Calculated prohibitin 2 MW:	299aa, 33 kDa
Observed prohibitin 2 MW:	33 kDa
Positive WB detected in	HeLa cells, BxPC-3 cells, human brain tissue, K-562 cells, MCF7 cells, mouse heart tissue, mouse stomach tissue
Positive IP detected in	HeLa cells
Positive IHC detected in	Human colon tissue, human breast cancer tissue
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:20-1:200

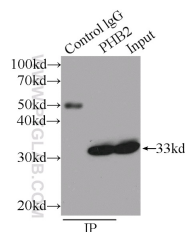
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2977
GenBank accession number:	BC014766
Gene ID (NCBI):	11331
Full name:	Prohibitin 2

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



IP Result of anti-PHB2 (IP:12295-1-AP, 3µg;

antibody 12295-1-AP at 1:50 Dilution:12295-1-AP 1:1000)
dilution and Rhodamine- with HeLa cells lysate 1840ug.
labeled goat anti-rabbit IgG
(red). Blue pseudocolor =
DAPI (fluorescent DNA dye).