

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 66424-1-Ig	<b>GenBank-Zugangsnummer:</b> BC014766	<b>Reinigungsmethode:</b> Protein-G-Reinigung
<b>Größe:</b> 150ul , Konzentration: 700 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 11331	<b>CloneNo.:</b> 1D9C7
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> prohibitin 2	<b>Empfohlene Verdünnungen:</b> WB 1:10000-1:50000 IHC 1:50-1:500 IF 1:50-1:500
<b>Isotyp:</b> IgG1	<b>Berechnete Masse:</b> 299 aa, 33 kDa	
<b>Immunogen Katalognummer:</b> AG2977	<b>Beobachtete Masse:</b> 33 kDa	

## Anwendungen

### Geprüfte Anwendungen:

IF, IHC, WB, ELISA

### In Publikationen genannte Anwendungen:

IF, IHC, WB

### Getestete Reaktivität:

Human, Maus, Ratte

### Zitierte Arten:

Human, Maus

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

**WB** : Jurkat-Zellen, 4T1-Zellen, HEK-293-Zellen, HeLa-Zellen, LNCaP-Zellen, MCF-7-Zellen, NIH/3T3-Zellen, ROS1728-Zellen

**IHC** : humanes Mammakarzinomgewebe, humanes Herzgewebe

**IF** : HepG2-Zellen,

## Hintergrundinformationen

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)

## Bemerkenswerte Veröffentlichungen

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

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

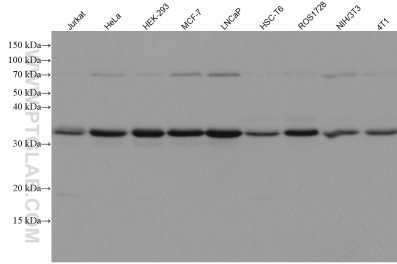
For technical support and original validation data for this product please contact:

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

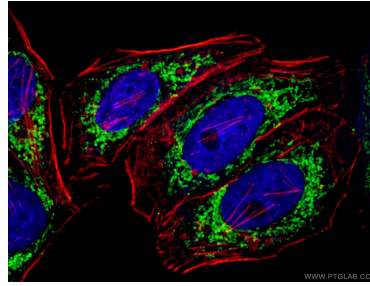
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

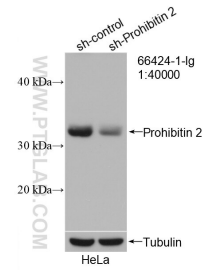
## Ausgewählte Validierungsdaten



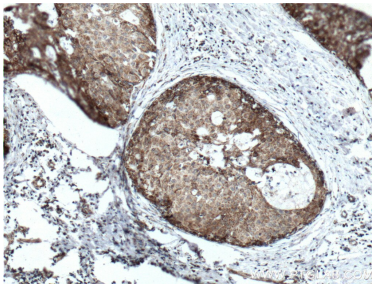
Various lysates were subjected to SDS PAGE followed by western blot with 66424-1-Ig (Prohibitin 2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



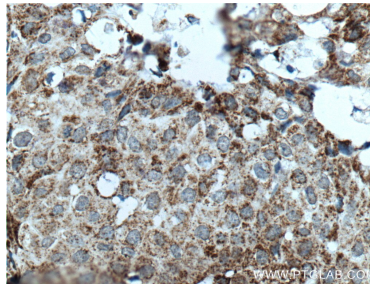
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66424-1-Ig (Prohibitin 2 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). F-actin was labelled in red with Phalloidin.



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).