

**PHB / Prohibitin Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS11996**

**Specification**

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**PHB / Prohibitin Antibody (C-Terminus) - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">P35232</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30kDa KDa

**PHB / Prohibitin Antibody (C-Terminus) - Additional Information**

**Gene ID** 5245

**Other Names**  
Prohibitin, PHB

**Target/Specificity**  
Recombinant (partial), C-terminal

**Reconstitution & Storage**  
Store at -20°C. Aliquot to avoid freeze/thaw cycles.

**Precautions**  
PHB / Prohibitin Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**PHB / Prohibitin Antibody (C-Terminus) - Protein Information**

**Name** PHB1 {ECO:0000303|PubMed:28017329, ECO:0000312|HGNC:HGNC:8912}

**Function**  
Protein with pleiotropic attributes mediated in a cell- compartment- and tissue-specific manner, which include the plasma membrane-associated cell signaling functions, mitochondrial chaperone, and transcriptional co-regulator of transcription factors in the nucleus (PubMed:<a href="http://www.uniprot.org/citations/11302691" target="\_blank">11302691</a>, PubMed:<a href="http://www.uniprot.org/citations/20959514" target="\_blank">20959514</a>, PubMed:<a href="http://www.uniprot.org/citations/28017329" target="\_blank">28017329</a>, PubMed:<a href="http://www.uniprot.org/citations/31522117" target="\_blank">31522117</a>). Plays a role in adipose tissue and glucose homeostasis in a sex-specific manner (By similarity). Contributes to pulmonary vascular remodeling by accelerating proliferation of pulmonary arterial smooth muscle cells (By similarity).

**Cellular Location**  
Mitochondrion inner membrane. Nucleus. Cytoplasm. Cell membrane

### Tissue Location

Widely expressed in different tissues.

### Volume

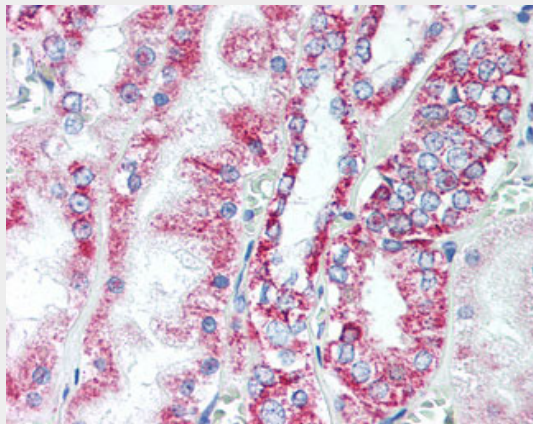
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### PHB / Prohibitin Antibody (C-Terminus) - Protocols

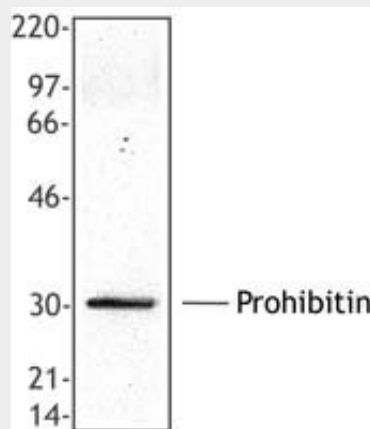
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### PHB / Prohibitin Antibody (C-Terminus) - Images



Anti-PHB / Prohibitin antibody IHC of human kidney.



MCF7 cell extract was resolved by electrophoresis, transferred to nitrocellulose, and probed...

### PHB / Prohibitin Antibody (C-Terminus) - Background

Prohibitin inhibits DNA synthesis. It has a role in regulating proliferation. As yet it is unclear if the protein or the mRNA exhibits this effect. May play a role in regulating mitochondrial respiration activity and in aging.

#### **PHB / Prohibitin Antibody (C-Terminus) - References**

Sato T., et al. *Cancer Res.* 52:1643-1646(1992).

Sato T., et al. *Genomics* 17:762-764(1993).

Kalnina N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

Ota T., et al. *Nat. Genet.* 36:40-45(2004).

Zody M.C., et al. *Nature* 440:1045-1049(2006).