

**PHB1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2710b**

**Specification**

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**PHB1 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P35232</a>
Other Accession	<a href="#">P67779</a> , <a href="#">P67778</a> , <a href="#">Q3T165</a>
Reactivity	Human
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	29804
Antigen Region	182-211

**PHB1 Antibody (C-term) - Additional Information**

**Gene ID** 5245

**Other Names**  
Prohibitin, PHB

**Target/Specificity**

This PHB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 182-211 amino acids from the C-terminal region of human PHB1.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PHB1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PHB1 Antibody (C-term) - 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:[11302691](#), PubMed:[20959514](#), PubMed:[28017329](#), PubMed:[31522117](#)). 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

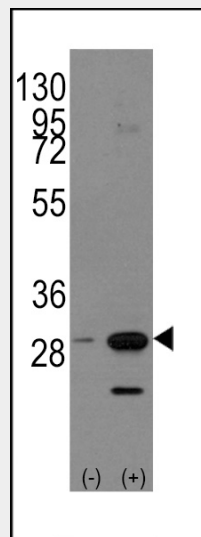
Widely expressed in different tissues.

### PHB1 Antibody (C-term) - 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](#)

### PHB1 Antibody (C-term) - Images



Western blot analysis of PHB1 (arrow) using rabbit polyclonal PHB1 Antibody (Human C-term) (Cat.#AP2710b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PHB1 gene (Lane 2) (Origene Technologies).

### PHB1 Antibody (C-term) - Background

Prohibitin is an evolutionarily conserved protein that is ubiquitously expressed. It is thought to be a negative regulator of cell proliferation and may be a tumor suppressor. Mutations have been linked to sporadic breast cancer. Prohibitin is expressed as two transcripts with varying lengths of 3'

untranslated region.

**PHB1 Antibody (C-term) - References**

Gregory-Bass,R.C., Int. J. Cancer 122 (9), 1923-1930 (2008)  
Ross,J.A., J. Biol. Chem. 283 (8), 4699-4713 (2008)  
White,J.J., Genomics 11 (1), 228-230 (1991)