

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

Specification

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

Application	IHC, WB
Primary Accession	P35232
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: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.

Volume

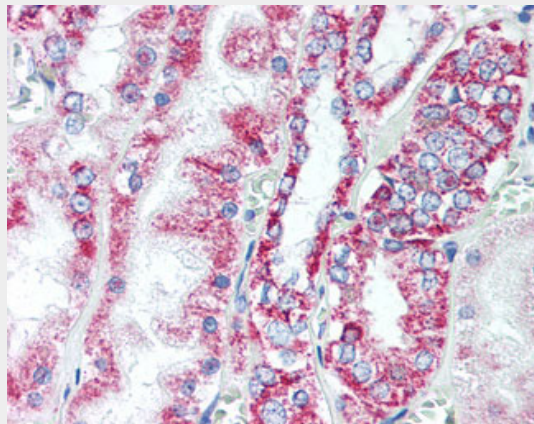
50 μ l

PHB / Prohibitin Antibody (C-Terminus) - Protocols

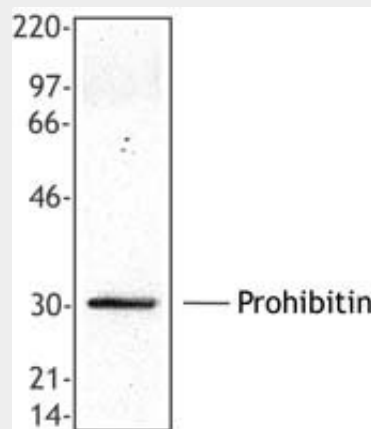
Provided below are standard protocols that you may find useful for product applications.

- [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).