10320 Camino Santa Fe, Suite G
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PHB Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20757a

Specification

PHB Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P35232
Other Accession	P67779, P67778, Q3T165, P24156
Reactivity	**Human**
Predicted	**Bovine, Drosophila, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**29804**

PHB Antibody (N-term) - Additional Information

Gene ID 5245

Other Names
Prohibitin, PHB

Target/Specificity
This PHB antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 73-107 amino acids from the N-terminal region of human PHB.

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

PHB Antibody (N-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

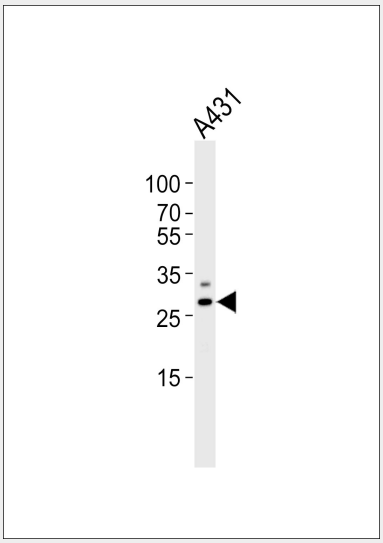
Tissue Location
Widely expressed in different tissues.

PHB Antibody (N-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 Cytomety
- Cell Culture

PHB Antibody (N-term) - Images



Western blot analysis of lysate from A431 cell line, using PHB Antibody (N-term)(Cat. #AP20757a). AP20757a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

PHB Antibody (N-term) - 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.

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PHB Antibody (N-term) - References

Sato T.,et al.Cancer Res. 52:1643-1646(1992).
Sato T.,et al.Genomics 17:762-764(1993).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Bienvenut W.V.,et al.Submitted (MAR-2005) to UniProtKB.
Lubec G.,et al.Submitted (DEC-2008) to UniProtKB.