

PHB Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP20757a**Specification**

PHB Blocking Peptide (N-term) - Product Information

Primary Accession [P35232](#)
Other Accession [P67779](#), [P67778](#), [Q3T165](#), [P24156](#)

PHB Blocking Peptide (N-term) - Additional Information

Gene ID 5245

Other Names
Prohibitin, PHB

Target/Specificity

The synthetic peptide sequence is selected from aa 73-87 of HUMAN PHB

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PHB Blocking Peptide (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 Blocking Peptide (N-term) - Protocols

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

- [Blocking Peptides](#)

PHB Blocking Peptide (N-term) - Images**PHB Blocking Peptide (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.

PHB Blocking Peptide (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.