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PHB Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP2710c

Specification

PHB Antibody (Center) Blocking Peptide - Product Information

Primary Accession P35232

PHB Antibody (Center) Blocking Peptide - Additional Information

Gene ID 5245

Other Names
Prohibitin, PHB

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2710c was selected from the Center region of human PHB. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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 Antibody (Center) Blocking Peptide - Protein Information

Name PHB (HGNC:8912)

Function
Protein with pleiotropic attributes mediated

PHB Antibody (Center) Blocking Peptide - 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.

PHB Antibody (Center) Blocking Peptide - 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)

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 (Center) Blocking Peptide - Protocols

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

- Blocking Peptides