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PHB2 Antibody (Y128) Blocking Peptide

Synthetic peptide
Catalog # BP7270d

Specification

PHB2 Antibody (Y128) Blocking Peptide - Product Information

Primary Accession	Q99623
Other Accession	NP_009204

PHB2 Antibody (Y128) Blocking Peptide - Additional Information

Gene ID 11331

Other Names
Prohibitin-2, B-cell receptor-associated protein BAP37, D-prohibitin, Repressor of estrogen receptor activity, PHB2 {ECO:0000312|EMBL:AAH147661, ECO:0000312|HGNC:HGNC:30306}

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7270d was selected from the Y128 region of human PHB2. 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.

PHB2 Antibody (Y128) Blocking Peptide - Protein Information

Name PHB2 {ECO:0000312|EMBL:AAH14766.1, ECO:0000312|HGNC:HGNC:30306}

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 and sex steroid hormones in the nucleus.

Cellular Location
Mitochondrion inner membrane. Cytoplasm. Nucleus. Cell membrane [Isoform 2]: Mitochondrion inner membrane

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PHB2 Antibody (Y128) Blocking Peptide - Protocols

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

- Blocking Peptides

PHB2 Antibody (Y128) Blocking Peptide - Images

PHB2 Antibody (Y128) Blocking Peptide - Background

PHB2 acts as a mediator of transcriptional repression by nuclear hormone receptors via recruitment of histone deacetylases. It functions as an estrogen receptor (ER)-selective coregulator that potentiates the inhibitory activities of antiestrogens and represses the activity of estrogens. It competes with NCOA1 for modulation of ER transcriptional activity and is probably involved in regulating mitochondrial respiration activity and in aging.

PHB2 Antibody (Y128) Blocking Peptide - References

Takata,H., Curr. Biol. 17 (15), 1356-1361 (2007)Kasashima,K., J. Biol. Chem. 281 (47), 36401-36410 (2006)