

**Phospho-PHB2(Y128) Antibody Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP3539a****Specification**

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**Phospho-PHB2(Y128) Antibody Blocking peptide - Product Information**

Primary Accession [O99623](#)  
Other Accession [NP\\_009204](#)

**Phospho-PHB2(Y128) Antibody 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 [AP3539a](/products/AP3539a) was selected from the region of human Phospho-PHB2-Y128. 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.

**Phospho-PHB2(Y128) Antibody 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

**Phospho-PHB2(Y128) Antibody Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**Phospho-PHB2(Y128) Antibody Blocking peptide - Images****Phospho-PHB2(Y128) Antibody Blocking peptide - Background**

PHB2 acts as a mediator of transcriptional repression by nuclear hormone receptors via recruitment of histone deacetylases. This protein 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. It is probably involved in regulating mitochondrial respiration activity and in aging.

**Phospho-PHB2(Y128) Antibody Blocking peptide - References**

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