

PHB2 Antibody (Y128) Blocking Peptide
Synthetic peptide
Catalog # BP7270d**Specification**

PHB2 Antibody (Y128) Blocking Peptide - Product InformationPrimary Accession
Other Accession[O99623](#)
[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](/products/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

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)