

REA (PHB2) Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP7270a**Specification**

REA (PHB2) Antibody (N-term) Blocking peptide - Product Information

Primary Accession [O99623](#)
Other Accession [NP_009204](#)

REA (PHB2) Antibody (N-term) 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 [AP7270a](/product/products/AP7270a) was selected from the N-term 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.

REA (PHB2) Antibody (N-term) 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

REA (PHB2) Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

REA (PHB2) Antibody (N-term) Blocking peptide - Images**REA (PHB2) Antibody (N-term) 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.

REA (PHB2) Antibody (N-term) Blocking peptide - References

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