



## PHB2 Blocking Peptide (Y248)

Synthetic peptide Catalog # BP7270e

## **Specification**

PHB2 Blocking Peptide (Y248) - Product Information

Primary Accession Other Accession <u>Q99623</u> <u>Q5XIH7</u>, <u>Q35129</u>, <u>Q2HI97</u>, <u>NP</u> 009204

PHB2 Blocking Peptide (Y248) - 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 is selected from aa 240-255 of HUMAN PHB2

#### **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 Blocking Peptide (Y248) - Protein Information

#### Name PHB2

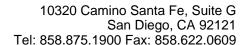
{ECO:0000312|EMBL:AAH14766.1, ECO:0000312|HGNC:HGNC:30306}

# PHB2 Blocking Peptide (Y248) - 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 Blocking Peptide (Y248) - References

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





### **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 Blocking Peptide (Y248) - Protocols

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

• Blocking Peptides