

Prohibitin 2 / PHB2 Antibody (aa88-299)
Rabbit Polyclonal Antibody
Catalog # ALS12214**Specification**

Prohibitin 2 / PHB2 Antibody (aa88-299) - Product Information

Application	IHC
Primary Accession	Q99623
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33kDa KDa

Prohibitin 2 / PHB2 Antibody (aa88-299) - 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:AAH14766.1, ECO:0000312|HGNC:HGNC:30306}

Target/Specificity

Recognizes mouse REA, Mr 37kD. Species cross-reactivity: human and rat.

Reconstitution & Storage

+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions

Prohibitin 2 / PHB2 Antibody (aa88-299) is for research use only and not for use in diagnostic or therapeutic procedures.

Prohibitin 2 / PHB2 Antibody (aa88-299) - 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

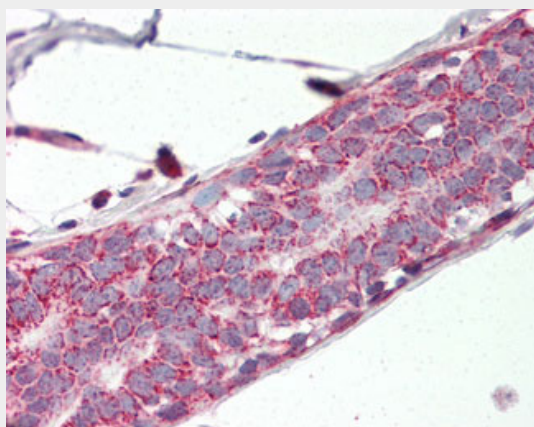
Mitochondrion inner membrane. Cytoplasm. Nucleus. Cell membrane [Isoform 2]: Mitochondrion inner membrane

Prohibitin 2 / PHB2 Antibody (aa88-299) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Prohibitin 2 / PHB2 Antibody (aa88-299) - Images



Anti-PHB2 antibody IHC of human breast.

Prohibitin 2 / PHB2 Antibody (aa88-299) - Background

Acts as a mediator of transcriptional repression by nuclear hormone receptors via recruitment of histone deacetylases (By similarity). Functions as an estrogen receptor (ER)-selective coregulator that potentiates the inhibitory activities of antiestrogens and represses the activity of estrogens. Competes with NCOA1 for modulation of ER transcriptional activity. Probably involved in regulating mitochondrial respiration activity and in aging.

Prohibitin 2 / PHB2 Antibody (aa88-299) - References

- Ansari-Lari M.A., et al. *Genome Res.* 7:268-280(1997).
Montano M.M., et al. *Proc. Natl. Acad. Sci. U.S.A.* 96:6947-6952(1999).
Zhang W., et al. Submitted (AUG-1999) to the EMBL/GenBank/DDBJ databases.
Hu R.-M., et al. *Proc. Natl. Acad. Sci. U.S.A.* 97:9543-9548(2000).
Ota T., et al. *Nat. Genet.* 36:40-45(2004).