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Prohibitin 2 / PHB2 Antibody (C-Terminus)

Rabbit Polyclonal Antibody
Catalog # ALS11997

Specification

Prohibitin 2 / PHB2 Antibody (C-Terminus) - Product Information

Application	**IHC, WB, ICC**
Primary Accession	Q99623
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**33kDa KDa**

Prohibitin 2 / PHB2 Antibody (C-Terminus) - 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
Recombinant (partial), C-terminal.

Reconstitution & Storage
Store at -20°C. Aliquot to avoid freeze/thaw cycles.

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

Prohibitin 2 / PHB2 Antibody (C-Terminus) - 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

Volume
50 µl

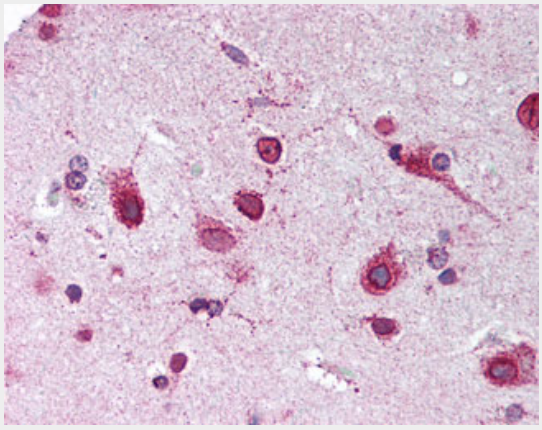
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Prohibitin 2 / PHB2 Antibody (C-Terminus) - Protocols

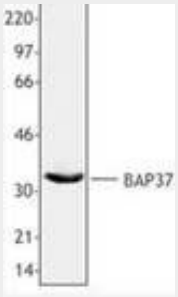
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

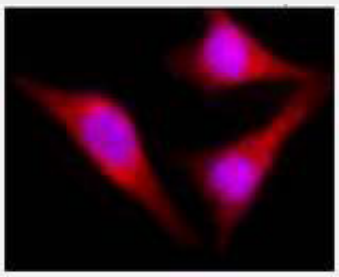
Prohibitin 2 / PHB2 Antibody (C-Terminus) - Images



Anti-PHB2 antibody IHC of human brain, cortex.



MCF-7 whole cell extract was resolved by electrophoresis, transferred to nitrocellulose and...



Immunofluorescent microscope analysis of Hela cells using anti-BAP37 polyclonal antibody (red).

Prohibitin 2 / PHB2 Antibody (C-Terminus) - 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 (C-Terminus) - References

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Montano M.M.,et al.Proc. Natl. Acad. Sci. U.S.A. 96:6947-6952(1999).
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Ota T.,et al.Nat. Genet. 36:40-45(2004).