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PHB2 Antibody (Y128)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7270d

Specification

PHB2 Antibody (Y128) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q99623
Other Accession	Q5XIH7, O35129, Q5ZMN3, Q2HJ97, NP_009204
Reactivity	**Human, Mouse**
Predicted	**Bovine, Chicken, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**33296**
Antigen Region	**106-134**

PHB2 Antibody (Y128) - 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
This PHB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 106-134 amino acids from human PHB2.

Dilution
WB~~1:1000
IHC-P~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PHB2 Antibody (Y128) is for research use only and not for use in diagnostic or therapeutic procedures.

PHB2 Antibody (Y128) - 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.

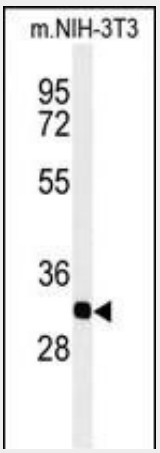
Cellular Location
Mitochondrion inner membrane. Cytoplasm. Nucleus. Cell membrane [Isoform 2]: Mitochondrion inner membrane

PHB2 Antibody (Y128) - Protocols

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

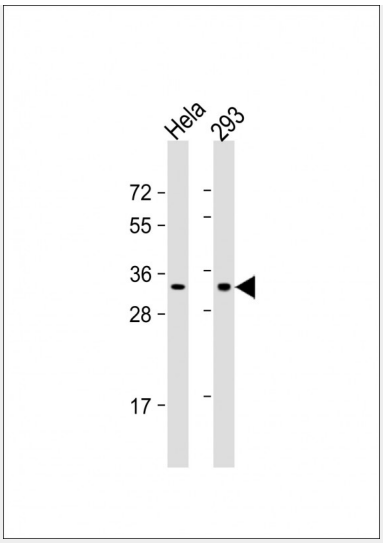
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PHB2 Antibody (Y128) - Images

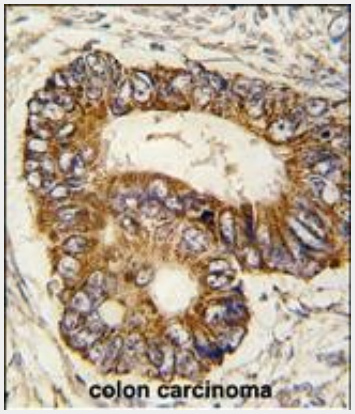


Western blot analysis of PHB2-Y128(Cat. #AP7270d) in mouse NIH-3T3 cell line lysates (35ug/lane).PHB2 (arrow) was detected using the purified Pab.

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All lanes : Anti-Phospho-PHB2-Y128. ctrl at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: 293 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 33 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with PHB2 Antibody (Y128) (Cat.#AP7270d), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

PHB2 Antibody (Y128) - 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) - References

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