



# PHB2 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-07051
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	PHB2 BAP REA
<b>Protein Name</b>	Prohibitin-2 (B-cell receptor-associated protein BAP37) (D-prohibitin) (Repressor of estrogen receptor activity)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	PHB2 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	32kD
<b>Cell Pathway</b>	Mitochondrion inner membrane . Cytoplasm . Nucleus . Cell membrane . ; [Isoform 1]: Mitochondrion inner membrane . ; [Isoform 2]: Mitochondrion inner membrane .
<b>Tissue Specificity</b>	Colon carcinoma,Dendritic cell,Hypothalamus,Mammary cancer,Placenta,Skin,
<b>Function</b>	developmental stage:Levels of expression in fibroblasts decrease heterogeneously during cellular aging.,function:Acts as a mediator of histone 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.,induction:Expression increases approximately 3-fold upon entry into G1 phase compared to other phases of the cell cycle. Also induced following inhibition of mitochondrial protein synthesis by thiamphenicol.,similarity:Belongs to the prohibitin family.,subcellular location:Also cytoplasmic and nuclear.,subunit:Interacts with PHB, ESR1, HDAC
<b>Background</b>	developmental stage:Levels of expression in fibroblasts decrease heterogeneously during cellular aging.,function:Acts as a mediator of histone 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.,induction:Expression increases approximately 3-fold upon entry into G1 phase compared to other phases of the cell cycle. Also induced following inhibition of mitochondrial protein synthesis by thiamphenicol.,similarity:Belongs to the prohibitin family.,subcellular location:Also cytoplasmic and nuclear.,subunit:Interacts with PHB, ESR1, HDAC1 and HDAC5.,

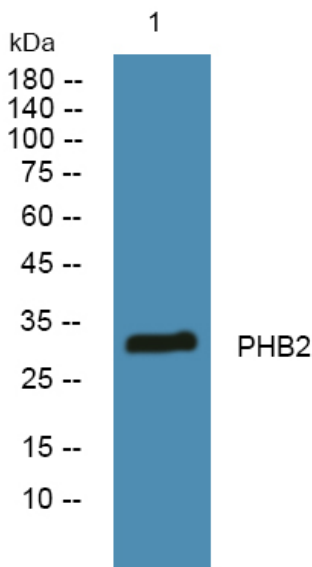
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of lysates from PC12 cells, primary antibody was diluted at 1:1000, 4° over night