



PHB2 Polyclonal Antibody

Catalog No	YP-Ab-07051
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	PHB2 BAP REA
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PHB2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PHB2;BAP;B-cell receptor-associated protein BAP37;D prohibitin;D-prohibitin; PHB2 BAP REA;Prohibitin-2 (B-cell receptor-associated protein BAP37) (D-prohibitin) (Repressor of estrogen receptor activity)
Observed Band	32kD
Calculated Molecular Weight	32kD
Cell Pathway	Mitochondrion inner membrane . Cytoplasm . Nucleus . Cell membrane . ; [Isoform 1]: Mitochondrion inner membrane . ; [Isoform 2]: Mitochondrion inner membrane .
Tissue Specificity	Colon carcinoma,Dendritic cell,Hypothalamus,Mammary cancer,Placenta,Skin,
Function	developmental stage:Levels of expression in fibroblasts decrease heterogeneously during cellular aging.,function: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.,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

Background

developmental stage:Levels of expression in fibroblasts decrease heterogeneously during cellular aging.,function: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.,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.,

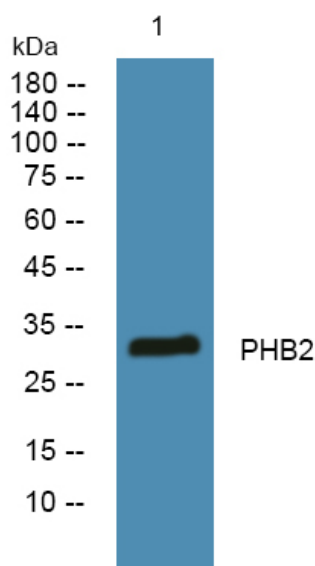
matters needing attention

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