

Rabbit PHB2 Polyclonal Antibody | anti-PHB2 antibody

PHB2 Antibody (Y128)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289761	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Chicken, Rat)	Immunohistochemistry, ELISA, Western Blot

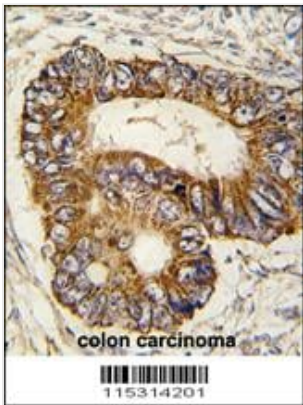
PRODUCT SYNONYMS

PHB2; Polyclonal Antibody; PHB2 Antibody (Y128); 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}; anti-PHB2 antibody

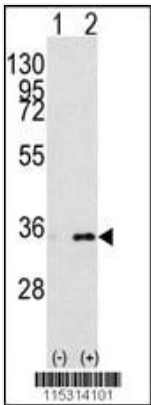
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Chicken, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PHB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 106-134 amino acids from human PHB2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	106-134
Sequence Length	299
Applicable Applications for anti-PHB2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

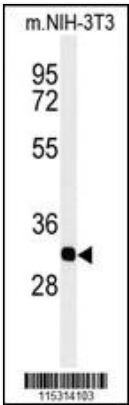
IMAGES



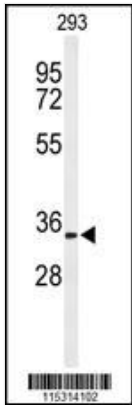
IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with PHB2 Antibody (Y128) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance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



WB (Western Blot)
Western blot analysis of PHB2 (arrow) using rabbit polyclonal PHB2 Antibody (Y128). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PHB2 gene (Lane 2) (Origene Technologies).



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



WB (Western Blot)
Western blot analysis of PHB2-Y128 in 293 cell line lysates (35ug/lane). PHB2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PHB2 antibody	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.
Product Categories/Family for anti-PHB2 antibody	Signal Transduction
References	Takata,H., Curr. Biol. 17 (15), 1356-1361 (2007) Kasashima,K., J. Biol. Chem. 281 (47), 36401-36410 (2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	221307584
NCBI GeneID	11331
NCBI Accession #	NP_001138303.1; NP_001254629.1
NCBI GenBank Nucleotide #	NM_001144831.1
UniProt Accession #	Q99623; Q2YDA4; Q7KYU3; Q92978; B4DP75

Molecular Weight	33296
NCBI Official Full Name	prohibitin-2 isoform 1
NCBI Official Synonym Full Names	prohibitin 2
NCBI Official Symbol	PHB2
NCBI Official Synonym Symbols	BAP; REA; p22; hBAP; Bap37; BCAP37; PNAS-141
NCBI Protein Information	prohibitin-2
UniProt Protein Name	Prohibitin-2
UniProt Gene Name	PHB2
UniProt Entry Name	PHB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/phb2-antibody-immunohistochemistry-western-blot-elisa/289761>