

Rabbit REA Polyclonal Antibody | anti-PHB2 antibody

REA (PHB2) Antibody (C-term)

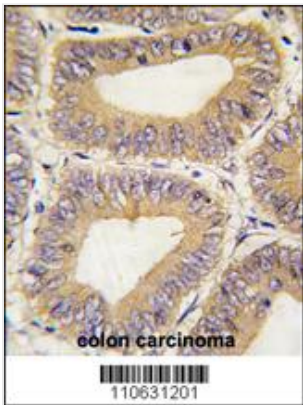
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290699	Rabbit	Human; Predicted Reactivity: Bovine, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

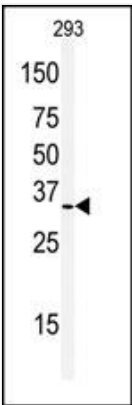
REA; Polyclonal Antibody; REA (PHB2) Antibody (C-term); Prohibitin-2; B-cell receptor-associated protein BAP37; D-prohibitin; Repressor of estrogen receptor activity; PHB2 {ECO:0000312|EMBL:AAH147661; ECO:0000312|HGNC:HGNC:30306}; anti-PHB2 antibody

PRODUCT SPECIFICATIONS

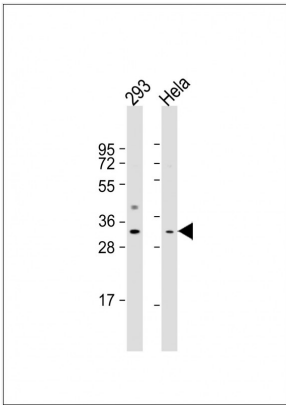
Host	Rabbit
Reactivity	Human; Predicted Reactivity: Bovine, Mouse, Rat
Clonality	Polyclonal
Isotype	Ig
Specificity	This REA (PHB2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 197-226 amino acids from the C-terminal region of human REA (PHB2).
Form/Format	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.
Sequence Length	261
Applicable Applications for anti-PHB2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Subtitle	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Cellular Location	Mitochondrion inner membrane. Cytoplasm. Nucleus. Note=Also cytoplasmic and nuclear.
Antigen Region	197-226 aa
Antigen Type	Synthetic Peptide
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.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with PHB2 Antibody (C-term), 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 anti-PHB2 Antibody (C-term) in 293 cell line lysates (35ug/lane). PHB2 (arrow) was detected using the purified Pab.



WB (Western Blot)
All lanes : Anti-PHB2 (Human C-term) at 1:1000 dilution
Lane 1: 293 whole cell lysate
Lane 2: HeLa whole cell lysate
Lysates/proteins at 20 ug 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.

ADDITIONAL INFORMATION

Related Product Information for anti-PHB2 antibody	Acts as a mediator of transcriptional repression by nuclear hormone receptors via recruitment of histone deacetylases. 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.
Product Categories/Family for anti-PHB2 antibody	Primary Antibodies; 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 #	6005854
NCBI GeneID	11331
NCBI Accession #	NP_009204
NCBI GenBank Nucleotide #	NM_007273.3
UniProt Accession #	Q99623; Q2YDA4; Q7KYU3; Q92978; B4DP75

Molecular Weight	33296 Da
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/rea-antibody-immunohistochemistry-western-blot-elisa/290699>