

Rabbit PHB Polyclonal Antibody | anti-PHB antibody

PHB Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285169	Rabbit	Human (Predicted Reactivity: Bovine, Chicken)	Flow Cytometry, Functional Assay, Immunofluorescence, Western Blot, Immunohistochemistry, ELISA

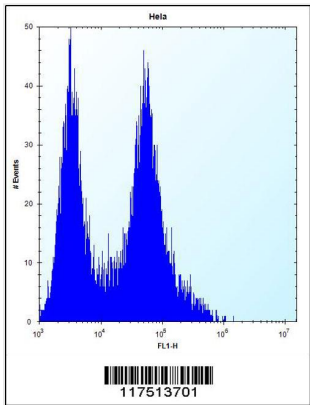
PRODUCT SYNONYMS

PHB; Polyclonal Antibody; PHB Antibody (Center); Prohibitin; anti-PHB antibody

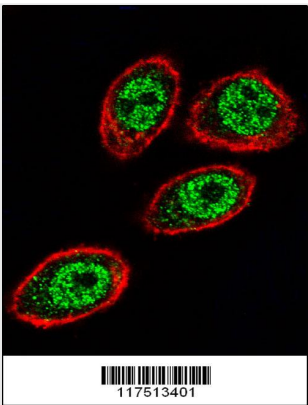
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Chicken)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PHB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 89-117 amino acids from the Central region of human PHB.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	89-117
Sequence Length	272
Applicable Applications for anti-PHB antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), WB (Western Blot), IHC (Immunohistochemistry), ELISA
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.

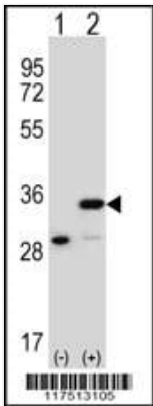
IMAGES



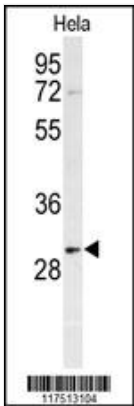
FCM/FACS (Flow Cytometry)
PHB Antibody (Center) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



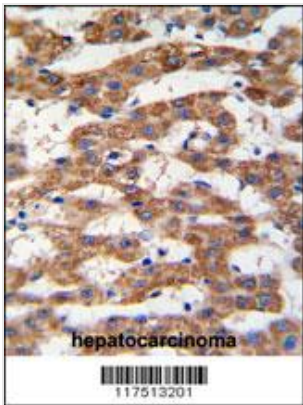
IF (Immunofluorescence)
Confocal immunofluorescent analysis of PHB Antibody (Center) with HeLa cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).



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



WB (Western Blot)
Western blot analysis of PHB Antibody (Center) in HeLa cell line lysates (35ug/lane). PHB (arrow) was detected using the purified Pab.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with PHB antibody (Center) , 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.

ADDITIONAL INFORMATION

Related Product Information for anti-PHB antibody

Prohibitin is an evolutionarily conserved protein that is ubiquitously expressed. It is thought to be a negative regulator of cell proliferation and may be a tumor suppressor. Mutations have been linked to sporadic breast cancer. Prohibitin is expressed as two transcripts with varying lengths of 3' untranslated region.

Product Categories/Family for anti-PHB antibody	Cell Biology; Metabolism
References	Gregory-Bass,R.C., Int. J. Cancer 122 (9), 1923-1930 (2008) Ross,J.A., J. Biol. Chem. 283 (8), 4699-4713 (2008) White,J.J., Genomics 11 (1), 228-230 (1991)

NCBI AND UNIPROT INFORMATION

NCBI GI #	527498279
NCBI GeneID	5245
NCBI Accession #	NP_001268425.1; NP_001268644.1; NP_002625.1
NCBI GenBank Nucleotide #	NM_001281496.1
UniProt Accession #	P35232; Q4VBQ0; B4DY47
Molecular Weight	29804
NCBI Official Full Name	prohibitin isoform 1
NCBI Official Synonym Full Names	prohibitin
NCBI Official Symbol	PHB
NCBI Official Synonym Symbols	PHB1; HEL-215; HEL-S-54e
NCBI Protein Information	prohibitin
UniProt Protein Name	Prohibitin
UniProt Gene Name	PHB
UniProt Entry Name	PHB_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.