

## Rabbit PHB Polyclonal Antibody | anti-PHB antibody

PHB Antibody (Center)

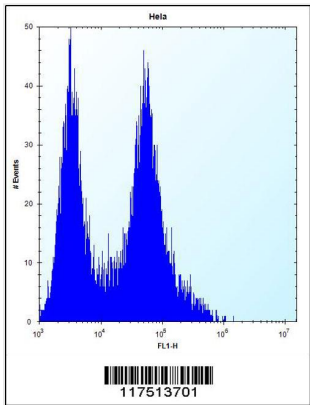
| CATALOG # | HOST   | REACTIVITY                                    | APPLICATIONS                                                                                    |
|-----------|--------|-----------------------------------------------|-------------------------------------------------------------------------------------------------|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

### PRODUCT SYNONYMS

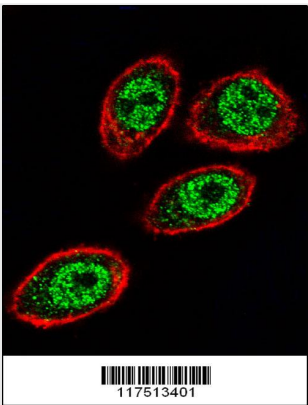
PHB; Polyclonal Antibody; PHB Antibody (Center); Prohibitin; anti-PHB antibody

### PRODUCT SPECIFICATIONS

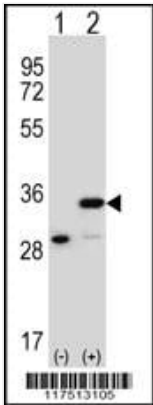
|                                               |                                                                                                                                                                                           |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.                                    |



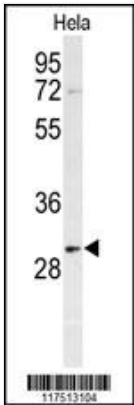
**FCM/FACS (Flow Cytometry)**  
PHB Antibody (Center) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



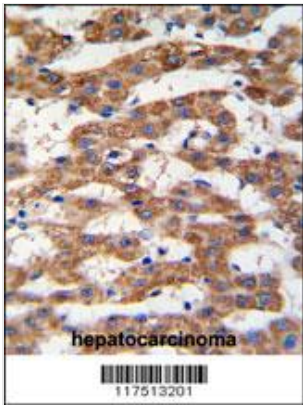
**IF (Immunofluorescence)**  
Confocal immunofluorescent analysis of PHB Antibody (Center) with HeLa cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).



**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)<br>Ross,J.A., J. Biol. Chem. 283 (8), 4699-4713 (2008)<br>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                | <b>PHB</b>                                  |
| 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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/phb-antibody-flow-cytometry-immunofluorescence-western-blot-immunohistochemistry-elisa/285169>