

## Rabbit anti-Human Prohibitin Polyclonal Antibody | anti-PHB antibody

Rabbit anti-human Prohibitin polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA229103 | Rabbit | Human      | Immunohistochemistry, Western Blot, ELISA |

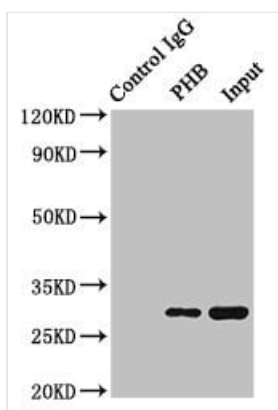
### PRODUCT SYNONYMS

Prohibitin; Polyclonal Antibody; Rabbit anti-human Prohibitin polyclonal Antibody; PHB; anti-PHB antibody

### PRODUCT SPECIFICATIONS

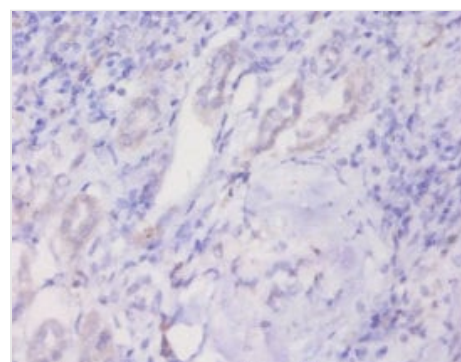
|                                               |                                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                              |
| Reactivity                                    | Human                                                                                               |
| Clonality                                     | Polyclonal                                                                                          |
| Isotype                                       | IgG                                                                                                 |
| Purity/Purification                           | Caprylic Acid Ammonium Sulfate Precipitation purified                                               |
| Form/Format                                   | Liquid                                                                                              |
| Sequence Length                               | 272                                                                                                 |
| Applicable Applications for anti-PHB antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                |
| Immunogen                                     | Recombinant human Prohibitin protein                                                                |
| Conjugation                                   | Non-conjugated                                                                                      |
| Storage Buffer                                | Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4                      |
| Santa Cruz Alternative                        | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-18198 / sc-18196 / sc-28259 |
| Preparation and Storage                       | Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.            |

### IMAGES



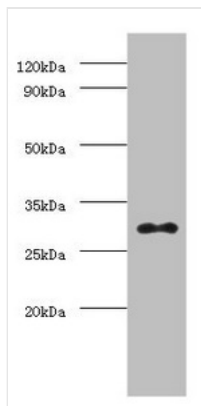
#### IP (Immunoprecipitation)

Immunoprecipitating PHB in HEK293 whole cell lysate Lane 1: Rabbit control IgG (1ug) instead of AAA229103 in HEK293 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: AAA229103 (8ug)+ HEK293 whole cell lysate (500ug) Lane 3: HEK293 whole cell lysate (10ug)



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney using AAA229103 at dilution of 1:10



#### WB (Western Blot)

Western blotAll lanes: Prohibitin Antibody at 2ug/ml+mouse brain tissueSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 30,18 kDaObserved band size: 30 kDa

### ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PHB antibody | <p>Prohibitin inhibits DNA synthesis. It has a role in regulating proliferation. As yet it is unclear if the protein or the mRNA exhibits this effect. May play a role in regulating mitochondrial respiration activity and in aging.</p> <p>Prohibitin is an evolutionarily conserved gene that is ubiquitously expressed. It is thought to be a negative regulator of cell proliferation and may be a tumor suppressor. Mutations in PHB have been linked to sporadic breast cancer. Prohibitin is expressed as two transcripts with varying lengths of 3 untranslated region. The longer transcript is present at higher levels in proliferating tissues and cells, suggesting that this longer 3 untranslated region may function as a trans-acting regulatory RNA.</p> |
| Product Categories/Family for anti-PHB antibody   | Transcription                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### NCBI AND UNIPROT INFORMATION

|                                  |                          |
|----------------------------------|--------------------------|
| NCBI GI #                        | 527498279                |
| NCBI GeneID                      | 5245                     |
| NCBI Accession #                 | NP_001268425.1           |
| NCBI GenBank Nucleotide #        | NM_001281496.1           |
| UniProt Accession #              | P35232; Q4VBQ0; B4DY47   |
| Molecular Weight                 | 17,018 Da                |
| 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.

