

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

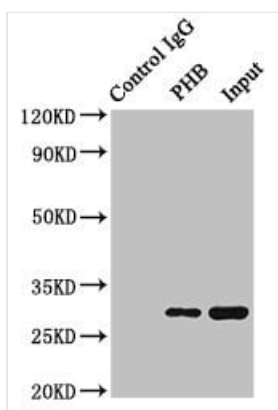
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

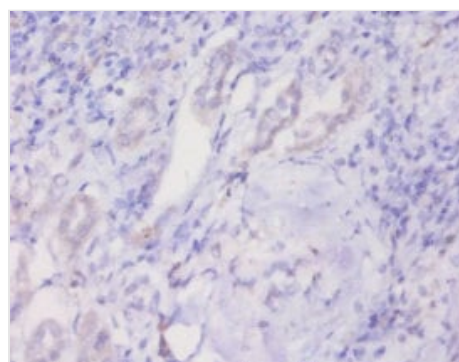
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	272
Applicable Applications for anti-PHB antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human 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



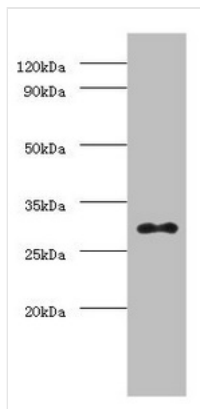
IP (Immunoprecipitation)

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 tissueSecondary/Goat 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	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. 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.
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.

