

Rabbit Prohibitin Polyclonal Antibody | anti-PHB antibody

Anti-Prohibitin antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45394	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunohistochemistry, Western Blot

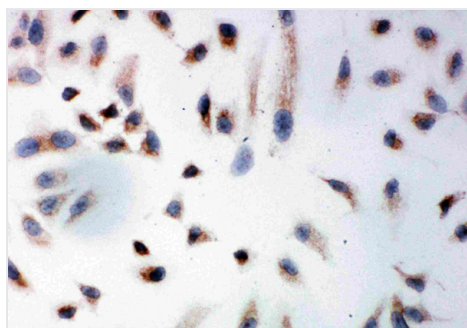
PRODUCT SYNONYMS

Prohibitin; Polyclonal Antibody; Anti-Prohibitin antibody; prohibitin; PHB antibody; PHB_HUMAN antibody; PHB1 antibody; prohibitin antibody; anti-PHB antibody

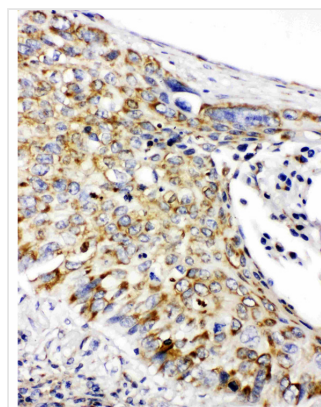
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	272
Applicable Applications for anti-PHB antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Prohibitin (240-256aa KLEAAEDIAYQLSRSRN), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

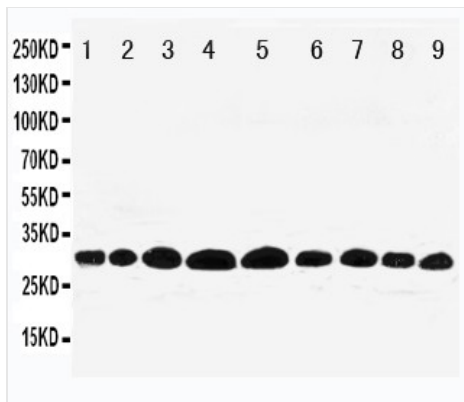
IMAGES


ICC (Immunocytochemistry)

Anti-Prohibitin antibody, AAA45394, ICCICC: HELA Cell


IHC (Immunohistochemistry)

Anti-Prohibitin antibody, AAA45394, IHC(P)IHC(P): Human Lung Cancer Tissue



WB (Western Blot)

Anti-Prohibitin antibody, AAA45394, Western blotting
 Lane 1: Rat Lung Tissue Lysate
 Lane 2: Rat Skeletal Muscle Tissue Lysate
 Lane 3: Rat Brain Tissue Lysate
 Lane 4: Rat Kidney Tissue Lysate
 Lane 5: HELA Cell Lysate
 Lane 6: MCF-7 Cell Lysate
 Lane 7: PC-12 Cell Lysate
 Lane 8: A549 Cell Lysate
 Lane 9: SMMC Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PHB antibody

Description: Rabbit IgG polyclonal antibody for Prohibitin(PHB) detection. Tested with WB, IHC-P, ICC in Human, Mouse, Rat.

Background: PHB(Prohibitin), also known as PHB1, is a protein that in humans is encoded by the PHB gene. White et al.(1991) mapped the PHB gene to chromosome 17 by analysis of human-mouse somatic cell hybrid cell lines using a genomic fragment of human prohibitin DNA isolated from a library using the rat prohibitin cDNA clone. By in situ hybridization, they localized the gene to 17q21. Sato et al.(1992) isolated the human homolog of the rat prohibitin gene and mapped it to 17q12-q21 by in situ hybridization. Proliferation of tumor cells depends on new blood vessel formation(angiogenesis) that accompanies malignant progression. Anticancer therapies using angiogenesis inhibitors or cytotoxic agents targeted to the vasculature of tumors have been evaluated in clinical trials. Although white fat is a nonmalignant tissue, it has the capability to quickly proliferate and expand. Furthermore, it is highly vascularized. Rupnick et al.(2002) showed that nonspecific angiogenesis inhibitors can prevent the development of obesity of mice.

NCBI AND UNIPROT INFORMATION

NCBI GI #	464371
NCBI GeneID	5245
UniProt Accession #	P35232; Q4VBQ0; B4DY47
Molecular Weight	17,018 Da
NCBI Official Full Name	Prohibitin
NCBI Official Synonym Full Names	prohibitin
NCBI Official Symbol	PHB
NCBI Official Synonym Symbols	PHB1; HEL-215; HEL-S-54e
NCBI Protein Information	prohibitin; epididymis luminal protein 215; epididymis secretory sperm binding protein Li 54e
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.