

Rabbit Prohibitin Mitochondrial Marker Polyclonal Antibody | anti-PHB antibody

Prohibitin Mitochondrial Marker Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29870	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

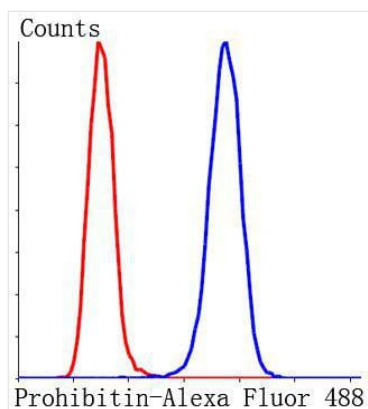
PRODUCT SYNONYMS

Prohibitin Mitochondrial Marker; Polyclonal Antibody; Prohibitin Mitochondrial Marker Antibody; Prohibitin (Mitochondrial Marker) Antibody; Epididymis luminal protein 215 antibody; Epididymis secretory sperm binding protein Li 54e antibody; HEL 215 antibody; HEL S 54e antibody; PHB antibody; PHB_HUMAN antibody; PHB1 antibody; Prohibitin antibody; anti-PHB antibody

PRODUCT SPECIFICATIONS

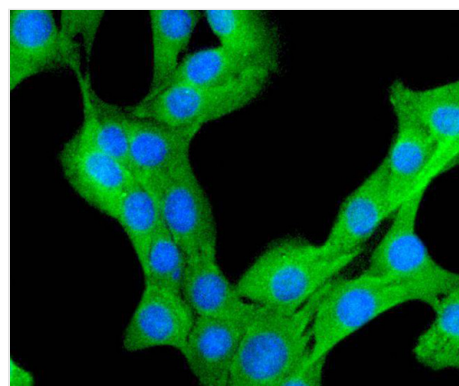
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-PHB antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000-1:2000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC/FACS: 1:10-1:100
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



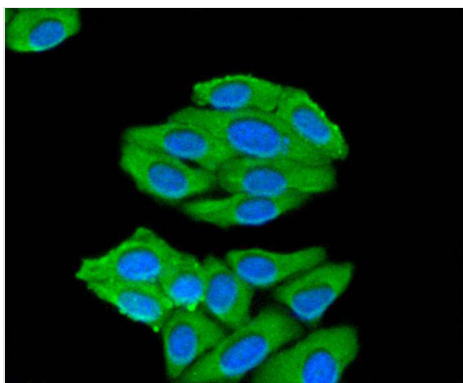
FCM (Flow Cytometry)

Flow cytometric analysis of Hela cells with Prohibitin antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated Goat anti rabbit IgG was used as the secondary antibody.

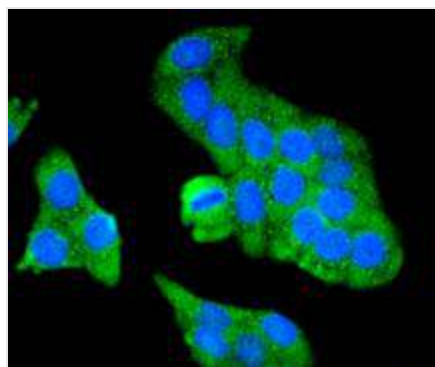


ICC (Immunocytochemistry)

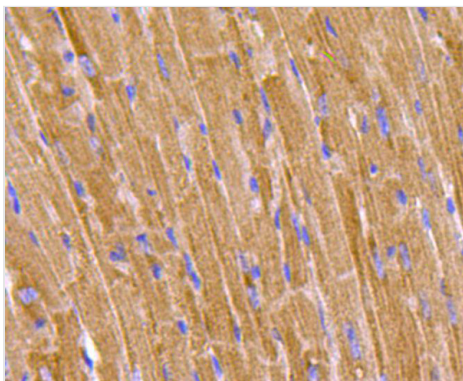
Immunocytochemical staining of C2C12 cells using anti-Prohibitin rabbit polyclonal antibody.



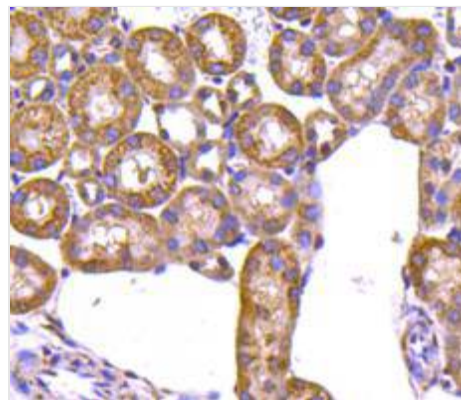
ICC (Immunocytochemistry)
Immunocytochemical staining of HepG2 cells using anti-Prohibitin rabbit polyclonal antibody.



ICC (Immunocytochemistry)
Immunocytochemical staining of HeLa cells using anti-Prohibitin rabbit polyclonal antibody.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-Prohibitin rabbit polyclonal antibody.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-Prohibitin rabbit polyclonal antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PHB antibody

Prohibitin is an evolutionarily conserved protein that has antiproliferative activity. The gene encoding human prohibitin maps to chromosome 17q21 and is ubiquitously expressed. Prohibitin is a post-synthetically modified protein that is localized in the inner membrane of mitochondria, where it regulates the cell cycle by blocking the transition between the G1 and S phases, and on the plasma membrane of B cells, where it mediates B cell maturation. Prohibitin mRNA and protein levels are high in G1, decline during the S phase, rise again in G2 and decline in M phase, which suggests that prohibitin controls the cell cycle by using both transcriptional and posttranslational mechanisms. Prohibitin is also a potential tumor suppressor protein that binds to retinoblastoma (Rb) and subsequently inhibits the activity of E2F family members in response to specific signaling cascades. Prohibitin 2 is a repressor of estrogen receptor activity, and is required for somatic and germline differentiation in the larval gonad during embryonic development. Mutations in the Prohibitin genes are correlated with breast cancer development and/or progression in more than 80% of the cell lines analyzed.

Product Categories/Family for anti-PHB antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	246483
NCBI GeneID	5245
UniProt Accession #	P35232; Q4VBQ0
Molecular Weight	29,804 Da
NCBI Official Full Name	prohibitin
NCBI Official Synonym Full Names	prohibitin

NCBI Official Symbol	PHB
NCBI Official Synonym Symbols	PHB1
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/prohibitin-mitochondrial-marker-antibody-western-blot-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/29870>