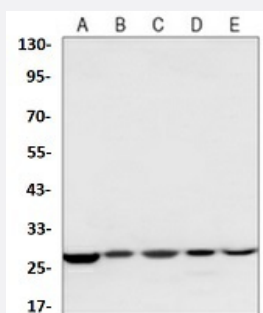


RecomAb™

PHB1 recombinant monoclonal antibody

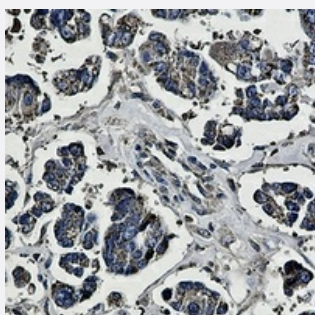
Catalog # RAB02603 Size 100 uL

Applications



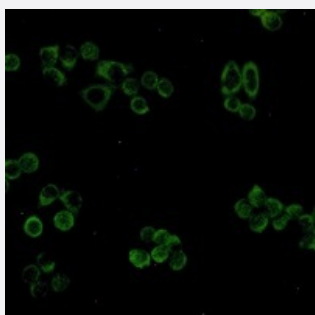
Western Blot (Cell lysate)

Western blot analysis of HeLa (A), A549 (B), HL60 (C), U2OS (D), C6 (E) whole cell lysates with PHB1 recombinant monoclonal antibody (Cat # RAB02603).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of human cholangiocarcinoma formalin fixed paraffin embedded tissue section using PHB1 recombinant monoclonal antibody (Cat # RAB02603). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.48). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescence

Immunofluorescent analysis of HeLa cells with PHB1 recombinant monoclonal antibody (Cat # RAB02603). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PHB1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human PHB1.
Theoretical MW (kDa)	30
Reactivity	Human, Rat
Specificity	Recognizes endogenous levels of Prohibitin protein.
Form	Liquid
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:100) Immunofluorescence (1:50-1:100) Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:10-1:50) Western Blot (1:500-1:1000)
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Immunocytochemistry

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- Immunoprecipitation

Gene Info — PHB

Entrez GeneID [5245](#)

Protein Accession# [P35232](#)

Gene Name PHB

Gene Alias PHB1

Gene Description prohibitin

Omim ID [176705](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations -

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)