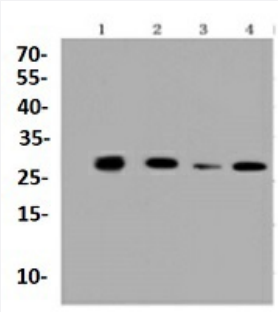
RecomAb™

PHB1 recombinant monoclonal antibody

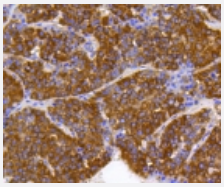
Catalog # RAB02700 Size 100 uL

Applications



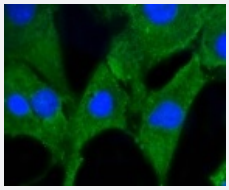
Western Blot

Western blot analysis of Lane1:293 whole cell lysate Lane2:Jurkat whole cell lysate Lane3:The kidney tissue lysate of Mouse Lane4:HepG2 whole cell lysate with PHB1 recombinant monoclonal antibody (Cat # RAB02700) at 1:1000 dilution.



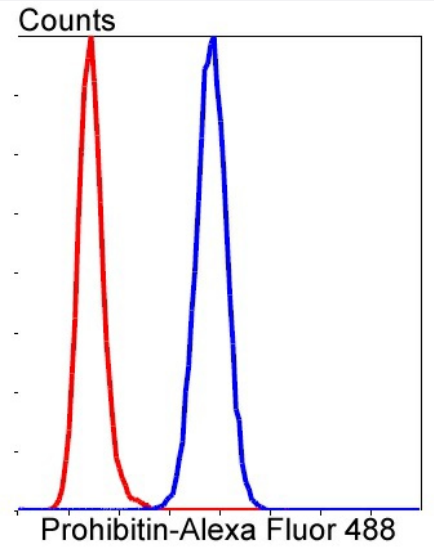
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using PHB1 recombinant monoclonal antibody (Cat # RAB02700). Counter stained with hematoxylin.



Immunocytochemistry

Immunocytochemical staining of NIH/3T3 cells using PHB1 recombinant monoclonal antibody (Cat # RAB02700)(green). The nuclear counter stain is DAPI (blue).Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.



Flow Cytometry

Flow cytometric analysis of HepG2 cells with PHB1 recombinant monoclonal antibody (Cat # RAB02700) 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.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against PHB1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant PHB1.
Theoretical MW (kDa)	30
Reactivity	Human, Mouse, Rat, Zebra fish
Specificity	This antibody detects endogenous levels of PHB and does not cross-react with related proteins.
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50-1:100) Immunocytochemistry (1:50-1:200) Immunohistochemistry (1:200-1:500) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
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 shoul d be handled by trained staff only.

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

  Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using PHB1 recombinant monoclonal antibody (Cat # RAB02700). Counter stained with hematoxylin.

- Immunocytochemistry

  Immunocytochemical staining of NIH/3T3 cells using PHB1 recombinant monoclonal antibody (Cat # RAB02700)(green). The nuclear counter stain is DAPI (blue).Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

- Flow Cytometry

  Flow cytometric analysis of HepG2 cells with PHB1 recombinant monoclonal antibody (Cat # RAB02700) 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.

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 n egative regulator of cell proliferation and may be a tumor suppressor. Mutations in PHB have bee n 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 an d 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