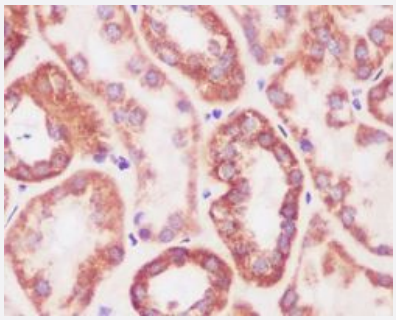
PHB monoclonal antibody, clone DIF-16

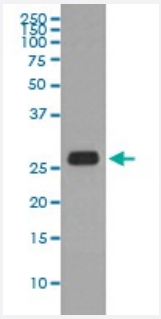
Catalog # MAB20630 Size 100 uL

Applications



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

Immunohistochemistry analysis of paraffin-embedded human kidney using PHB monoclonal antibody, clone DIF-16.



Western Blot (Cell lysate)

Western Blot analysis of Ramos cell lysate using PHB monoclonal antibody, clone DIF-16.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human PHB.
Immunogen	A synthetic peptide corresponding to human PHB.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG

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Recommend Usage	Flow Cytometry (1:30) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:30) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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

  Immunohistochemistry analysis of paraffin-embedded human kidney using PHB monoclonal antibody, clone DIF-16.

- Immunofluorescence
- Immunocytochemistry
- Flow Cytometry
- Immunoprecipitation
- Western Blot (Cell lysate)

  Western Blot analysis of Ramos cell lysate using PHB monoclonal antibody, clone DIF-16.

Gene Info — PHB

Entrez GeneID	5245
Protein Accession#	P35232
Gene Name	PHB
Gene Alias	PHB1
Gene Description	prohibitin

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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

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