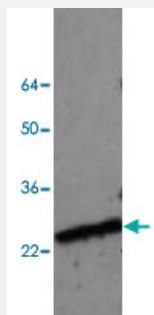


# PHB polyclonal antibody

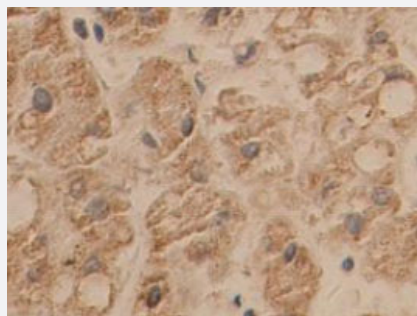
Catalog # PAB18886      Size 100 ug

## Applications



### Western Blot (Cell lysate)

Western blot analysis of MGC803 cell lysate with PHB polyclonal antibody (Cat # PAB18886) at 1 : 500 dilution.



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

Immunohistochemical staining of formalin-fixed paraffin-embedded human fetal liver tissue showing cytoplasmic staining with PHB polyclonal antibody (Cat # PAB18886) at 1 : 100 dilution.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of PHB.
<b>Immunogen</b>	A synthetic peptide corresponding to 16 amino acids of human PHB.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form</b>	Liquid

<b>Recommend Usage</b>	ELISA (1:80000) Western Blot (1:200-1:1000) Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In buffer containing 0.02% sodium azide
<b>Storage Instruction</b>	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of MGC803 cell lysate with PHB polyclonal antibody (Cat # PAB18886) at 1 : 500 dilution.

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

Immunohistochemical staining of formalin-fixed paraffin-embedded human fetal liver tissue showing cytoplasmic staining with PHB polyclonal antibody (Cat # PAB18886) at 1 : 100 dilution.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — PHB

Entrez GeneID	<a href="#">5245</a>
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Protein Accession#	<a href="#">NP_002625</a>
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Gene Name	PHB
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Gene Alias	PHB1
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Gene Description	prohibitin
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Omim ID	<a href="#">176705</a>
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Gene Ontology	<a href="#">Hyperlink</a>
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**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**

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**Disease**

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