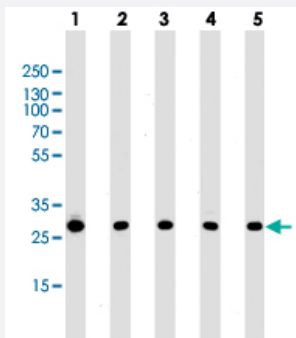


PHB monoclonal antibody, clone 1215CT487.109.106

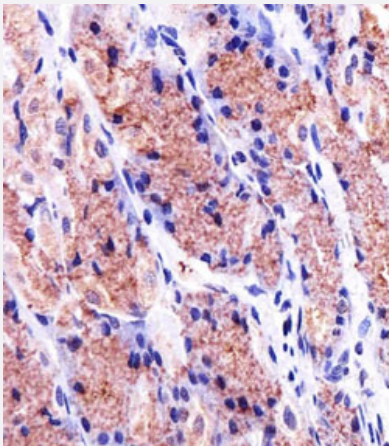
Catalog # MAB12344 Size 400 uL

Applications



Western Blot

Western blot analysis of Lane 1: 293 cell line lysates Lane 2: MCF-7 cell line lysates Lane 3: HepG2 cell line lysates Lane 4: mouse NIH/3T3 cell line lysates Lane 5: rat liver tissue lysates reacted with PHB monoclonal antibody (Cat # MAB12344) at 1:1000 dilution.



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

Immunohistochemical staining of paraffin-embedded human stomach section reacted with PHB monoclonal antibody (Cat # MAB12344) at 1:25 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against human PHB.
Immunogen	Recombinant protein corresponding to amino acids 1-205 of human PHB.
Host	Mouse
Reactivity	Human, Mouse, Rat
Form	Liquid

Purification	Protein G purification
Isotype	IgG2b, kappa
Recommend Usage	Immunohistochemistry (1:25) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: 293 cell line lysates Lane 2: MCF-7 cell line lysates Lane 3: HepG2 cell line lysates Lane 4: mouse NIH/3T3 cell line lysates Lane 5: rat liver tissue lysates reacted with PHB monoclonal antibody (Cat # MAB12344) at 1:1000 dilution.

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

Immunohistochemical staining of paraffin-embedded human stomach section reacted with PHB monoclonal antibody (Cat # MAB12344) at 1:25 dilution.

Gene Info — PHB

Entrez GeneID	5245
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](#)