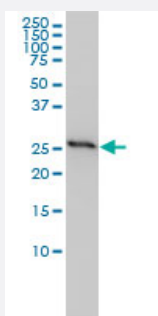


PHB monoclonal antibody (M01), clone 3F4-2B2

Catalog # H00005245-M01

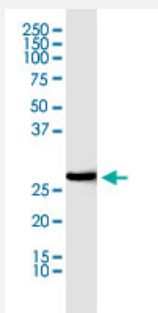
Size 100 ug

Applications



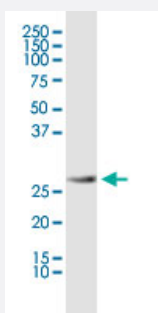
Western Blot (Cell lysate)

PHB monoclonal antibody (M01), clone 3F4-2B2 Western Blot analysis of PHB expression in HeLa (Cat # L013V1).



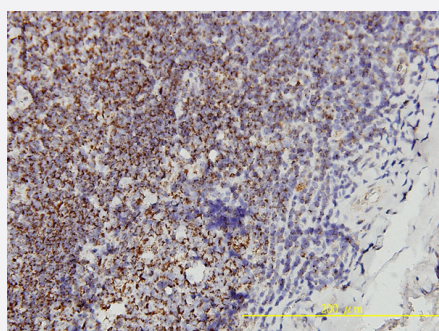
Western Blot (Cell lysate)

PHB monoclonal antibody (M01), clone 3F4-2B2. Western Blot analysis of PHB expression in NIH/3T3.



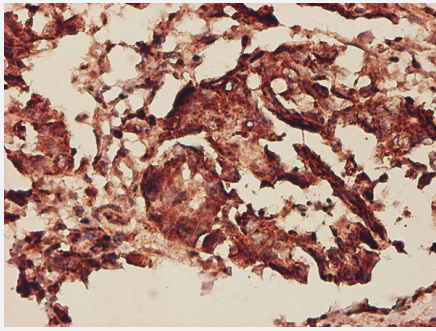
Western Blot (Cell lysate)

PHB monoclonal antibody (M01), clone 3F4-2B2. Western Blot analysis of PHB expression in PC-12.



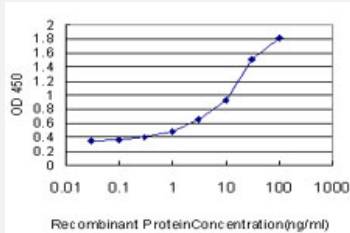
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PHB on formalin-fixed paraffin-embedded human tonsil tissue.[antibody concentration 5 ug/ml]



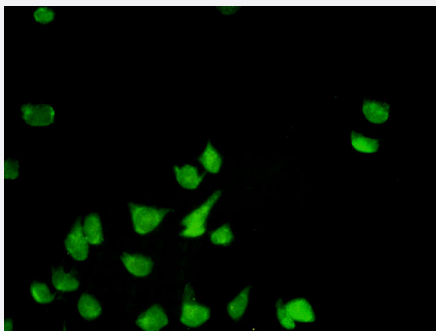
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PHB on formalin-fixed paraffin-embedded human colon adenocarcinoma. [antibody concentration 5 ug/ml]



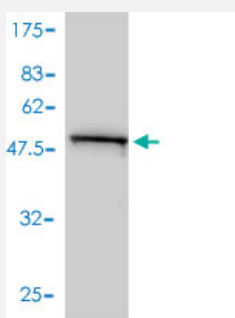
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PHB is approximately 0.03ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to PHB on HeLa cell. [antibody concentration 1 ~ 10 ug/ml]



Western Blot detection against Immunogen (55.66 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant PHB.

Immunogen

PHB (AAH13401, 1 a.a. ~ 272 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence	MAAKVFESIGKFGLALAVAGGVVNSALYNVDAGHRVVFDRFRGVQDINVGEGTHFLIPWVQKPIIFDCRSRPRNVPVITGSKDLQNVNITLRILFRPVASQLPRIFTSIGEDYDERVLPSITTEILKSVMARFDAGELITQRELVSQRQVSDDLTERAATFGLILDDVSLTHLTFGKEFTEAVEAKQVAQQEAERARFVVEKAEQQKKAIIISAEGDSKAAELIANSLATAGDGLIELRKLEAAGDIAAYQLSRSRNITYLPAGQSVLLQLPQ
Host	Mouse
Reactivity	Human, Mouse, Rat
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Isotype	IgG2a kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (55.66 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PHB monoclonal antibody (M01), clone 3F4-2B2 Western Blot analysis of PHB expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

PHB monoclonal antibody (M01), clone 3F4-2B2. Western Blot analysis of PHB expression in NIH/3T3.

[Protocol Download](#)

- Western Blot (Cell lysate)

PHB monoclonal antibody (M01), clone 3F4-2B2. Western Blot analysis of PHB expression in PC-12.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

Immunoperoxidase of monoclonal antibody to PHB on formalin-fixed paraffin-embedded human tonsil tissue.[antibody concentration 5 ug/ml]

[Protocol Download](#)

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

Immunoperoxidase of monoclonal antibody to PHB on formalin-fixed paraffin-embedded human colon adenocarcinoma. [antibody concentration 5 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PHB is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PHB on HeLa cell. [antibody concentration 1 ~ 10 ug/ml]

Gene Info — PHB

Entrez GeneID	5245
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GeneBank Accession#	BC013401
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Protein Accession#	AAH13401
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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	176705
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Gene Ontology	Hyperlink
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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

-

Publication Reference

- [Gonad differential proteins revealed with proteomics in oyster \(Saccostrea cucullata\) using alga as food contaminated with cadmium.](#)

Zhu B, Gao KS, Wang KJ, Ke CH, Huang HQ.

Chemosphere 2012 Jan; 87(4):397.

Application: WB, Oyster(Saccostrea cucullata), oyster gonad

Disease

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