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PHB Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant PHB.
Catalog # AT3292a

Product Information

Application	WB, IHC, IF, E
Primary Accession	P35232
Other Accession	BC013401
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a kappa
Clone Names	3F4-2B2
Calculated MW	29804

Additional Information

Gene ID	5245
Other Names	Prohibitin, PHB
Target/Specificity	PHB (AAH13401, 1 a.a. ~ 272 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	PHB Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

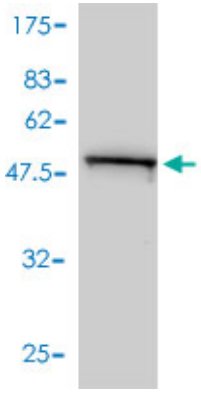
Prohibitin is an evolutionarily conserved gene that is ubiquitously expressed. It is thought to be a negative regulator of cell proliferation and may be a tumor suppressor. Mutations in PHB have been linked to sporadic breast cancer. Prohibitin is expressed as two transcripts with varying lengths of 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.

References

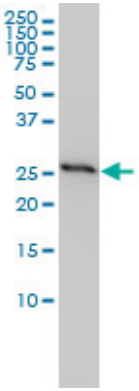
1.Gonad differential proteins revealed with proteomics in oyster (Saccostrea cucullata) using alga as food contaminated with cadmium.Zhu B, Gao KS, Wang KJ, Ke CH, Huang HQ.Chemosphere. 2012 Jan 7. [Epub

ahead of print]

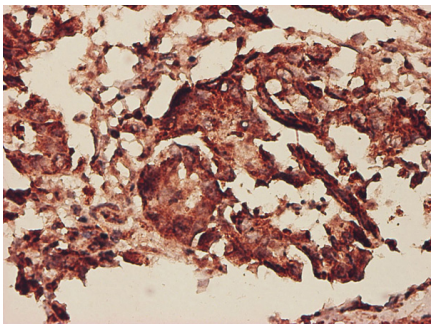
Images



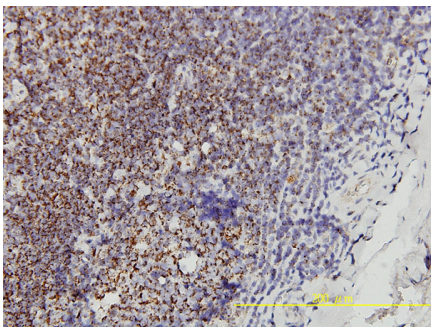
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (55.66 KDa) .



PHB monoclonal antibody (M01), clone 3F4-2B2 Western Blot analysis of PHB expression in Hela ((Cat # AT3292a)

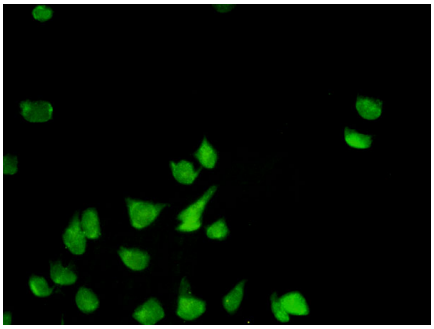


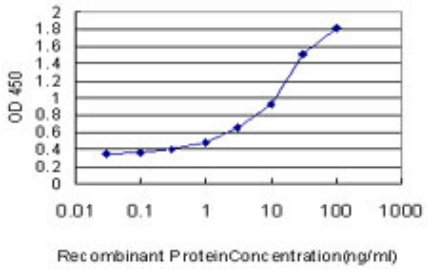
Immunoperoxidase of monoclonal antibody to PHB on formalin-fixed paraffin-embedded human colon adenocarcinoma. [antibody concentration 5 ug/ml]



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

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





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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.