PHB Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	PHB, Monoclonal Antibody
Full Product Name	PHB (Prohibitin) (MaxLight 750)
Product Gene Name	anti-PHB antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3F4-2B2
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human PHB.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	17,018 Da
Immunogen	Full length recombinant corresponding to aa1-273 from human PHB (AAH13401) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MAAKVFESIGKFGLALAVAGGVVNSALYNVDAGHRAVVFDRFRGVQDIVVGEGTHFLIPWVQKPIIFDCRSRPRNVPVITGSKDLQNVNITLRILFRPVASQ
Conjugate	MaxLight750
Product Categories/Family for anti-PHB antibody	Antibodies; Membrane Proteins
Applications Tested/Suitable for anti-PHB antibody	FLISA, Immunofluorescence (IF), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-PHB antibody	IF: 1-10ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-PHB antibody	MBS6234471 is an antibody targeting PHB. Also known as PHB (Prohibitin) (MaxLight 750). Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-PHB antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PHB. It may not necessarily be applicable to this product.

NCBI GI #	33870109
NCBI GeneID	5245
NCBI Accession #	BC013401
NCBI Related Accession #	AAH13401
UniProt Secondary Accession #	Q4VBQ0; B4DY47
UniProt Related Accession #	P35232
NCBI Official Full Name	Homo sapiens prohibitin, mRNA
NCBI Official Synonym Full Names	prohibitin
NCBI Official Symbol	PHB
NCBI Official Synonym Symbols	PHB1; HEL-215; HEL-S-54e
Protein Family	Prohibitin
NCBI Protein Information	prohibitin
NCBI Summary for PHB	This gene is evolutionarily conserved, and its product is proposed to play a role in human cellular senescence and tumor suppression. Antiproliferative activity is reported to be localized to the 3' UTR, which is proposed to function as a trans-acting regulatory RNA. Several pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]
Research Articles on PHB	**1.** We propose a model whereby in analogy to previous findings (e.g., the RAS-RAF signalling pathway), PHB can act as a signalling scaffold protein to assist in KDELR-dependent Src activation
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-human-antibody/phb/6234471