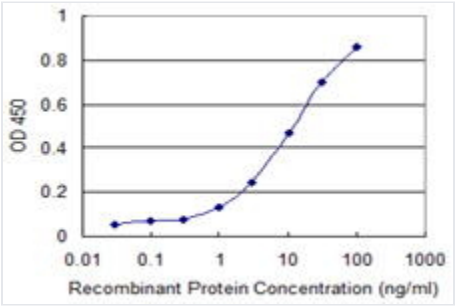
RBL2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	RBL2, Monoclonal Antibody
Full Product Name	RBL2 (Retinoblastoma-like 2 (p130), FLJ26459, P130, Rb2) (APC)
Product Gene Name	anti-RBL2 antibody
Product Synonym Names	Retinoblastoma-like 2 (p130); FLJ26459; P130; Rb2
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2H7
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified
Specificity	Recognizes RBL2.
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	59,349 Da
OMIM	180203
3D Structure	ModBase 3D Structure for Q08999
Immunogen	RBL2 (NP_005602, 416aa-515aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	VTPVSTATHSLSRLHTMLTGLRNAPSEKLEQILRTCSRDPTQAIANRLKEMFEIYSQHFQPDEDFSNCAKEIASKHFRFAEMLYYKVLESVIEQEQKRLG
Conjugate	APC
Product Categories/Family for anti-RBL2 antibody	Antibodies; Retinoblastoma Proteins
Applications Tested/Suitable for anti-RBL2 antibody	ELISA (EIA)
Application Notes for anti-RBL2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-RBL2 antibody	MBS6168345 is an antibody targeting RBL2. Also known as RBL2 (Retinoblastoma-like 2 (p130), FLJ26459, P130, Rb2) (APC). Host: Mouse. Mouse monoclonal antibody raised against a partial recombinant RBL2.

Other Notes	Small volumes of anti-RBL2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Testing Data of anti-RBL2 antibody
Detection limit for recombinant GST tagged RBL2 is 0.3 ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RBL2. It may not necessarily be applicable to this product.

NCBI GI #	172072597
NCBI GeneID	5934
NCBI Accession #	NP_005602
UniProt Primary Accession #	Q08999
UniProt Secondary Accession #	Q15073; Q16084; Q8NE70; Q92812; B7Z913
UniProt Related Accession #	Q08999
GenBank Nucleotide #	NM_005611.3
NCBI Official Full Name	retinoblastoma-like protein 2 isoform 1
NCBI Official Synonym Full Names	RB transcriptional corepressor like 2
NCBI Official Symbol	RBL2
NCBI Official Synonym Symbols	Rb2; P130
UniProt Protein Name	Retinoblastoma-like protein 2
UniProt Synonym Protein Names	130 kDa retinoblastoma-associated protein; p130; Retinoblastoma-related protein 2; RBR-2; pRb2
Protein Family	Retinoblastoma-like protein
UniProt Gene Name	RBL2
UniProt Synonym Gene Names	RB2; p130; RBR-2
UniProt Entry Name	RBL2_HUMAN
NCBI Protein Information	retinoblastoma-like protein 2

UniProt Comments for RBL2	Rb-like 2: Key regulator of entry into cell division. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. Recruits and targets histone methyltransferases SUV420H1 and SUV420H2, leading to epigenetic transcriptional repression. Controls histone H4 'Lys-20' trimethylation. Probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters. Potent inhibitor of E2F-mediated trans-activation, associates preferentially with E2F5. Binds to cyclins A and E. Binds to and may be involved in the transforming capacity of the adenovirus E1A protein. May act as a tumor suppressor. Belongs to the retinoblastoma protein (RB) family. Protein type: Tumor suppressor; Transcription, coactivator/corepressor Chromosomal Location of Human Ortholog: 16q12.2 Cellular Component: nucleoplasm; transcription factor complex; cytoplasm; nucleolus; nucleus Molecular Function: protein binding; DNA binding Biological Process: regulation of transcription from RNA polymerase II promoter; transcription, DNA-dependent; regulation of cell cycle; mitotic cell cycle; regulation of lipid kinase activity; chromatin modification
Research Articles on RBL2	**1.** UL97 phosphorylates and inactivates the retinoblastoma protein-related p107 and p130 proteins
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-antibody/rbl2/6168345