RBL2 Antibody (N-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	RBL2, Blocking Peptide
Full Product Name	RBL2 Antibody (N-term) Blocking peptide
Product Gene Name	RBL2 blocking peptide
Product Synonym Gene Name	RB2
Product Synonym Names	Retinoblastoma-like protein 2; 130 kDa retinoblastoma-associated protein; p130; Retinoblastoma-related protein 2; RBR-2; pRb2; RBL2; RB2
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	RBL2 peptide (MBS9218945) is used for blocking the activity of RBL2 antibody (MBS9206000)
Molecular Weight	59,349 Da
OMIM	180203
Cellular Location	Nucleus.
Related Product Information for RBL2 blocking peptide	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.
Other Notes	Small volumes of RBL2 blocking peptide 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.
Searchable Terms for RBL2 purchase	MBS9218945 is a blocking peptide targeting RBL2. Also known as RBL2 Antibody (N-term) Blocking peptide.

ADDITIONAL DETAILS

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

NCBI GI #	116242746
NCBI GeneID	5934
NCBI Accession #	Q08999.3
UniProt Primary Accession #	Q08999
UniProt Secondary Accession #	Q15073; Q16084; Q8NE70; Q92812; B7Z913
UniProt Related Accession #	Q08999
NCBI Official Full Name	Retinoblastoma-like protein 2
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: Transcription, coactivator/corepressor; Tumor suppressor Chromosomal Location of Human Ortholog: 16q12.2 Cellular Component: cytoplasm; nucleolus; nucleoplasm; nucleus Molecular Function: protein binding Biological Process: DNA damage response, signal transduction by p53 class mediator resulting in cell cycle arrest; regulation of lipid kinase activity
Research Articles on RBL2	**1.** Hepatitis C virus core protein modulates pRb2/p130 expression in human hepatocellular carcinoma cell lines through promoter methylation
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