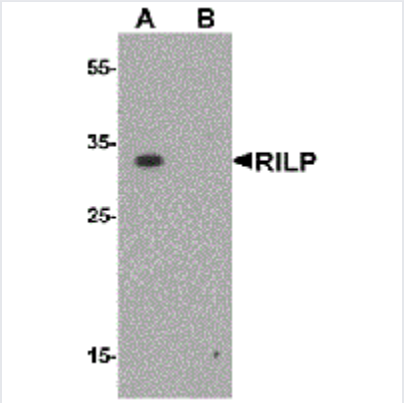
RILP Blocking Peptide

PRODUCT OVERVIEW

Product Name	RILP, Blocking Peptide
Full Product Name	RILP Peptide
Product Gene Name	RILP blocking peptide
Product Synonym Names	PP10141; Rab-interacting lysosomal protein; Rab interacting lysosomal protein
Form/Format	Liquid
Concentration	200 ug/mL (lot specific)
Preparation and Storage	Store RILP peptide at -20 degree C, stable for one year.
Antibody/Peptide Pairs	RILP peptide (MBS153053) is used for blocking the activity of RILP antibody (MBS150248)
Molecular Weight	20,726 Da
OMIM	607848
Species	Human
Buffer	PBS pH 7.2 (10 mM NaH2PO4, 10 mM Na2HPO4, 130 mM NaCl) containing 0.1% bovine serum albumin and 0.02% sodium azide
Location	18 amino acids near the center of human RILP.
Applications Tested/Suitable for RILP blocking peptide	Blocking (BL)
Application Notes for RILP blocking peptide	RILP peptide is used for blocking the activity of RILP antibody.
Related Product Information for RILP blocking peptide	MBS153053 is a blocking peptide targeting RILP. Also known as RILP Peptide.
Other Notes	Small volumes of RILP 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.



Western Blot (WB) of RILP blocking peptide
Western blot analysis of RILP in HeLa cell lysate with RILP antibody at 1 ?g/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL DETAILS

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

NCBI GI #	93204881
NCBI GeneID	83547
NCBI Accession #	NP_113618
UniProt Primary Accession #	Q96NA2
UniProt Secondary Accession #	Q71RE6; Q9BSL3; Q9BYS3; B2RBQ8
UniProt Related Accession #	Q96NA2
GenBank Nucleotide #	NM_031430.2
NCBI Official Full Name	rab-interacting lysosomal protein
NCBI Official Synonym Full Names	Rab interacting lysosomal protein
NCBI Official Symbol	RILP
NCBI Official Synonym Symbols	PP10141
UniProt Protein Name	Rab-interacting lysosomal protein
Protein Family	Rab-interacting lysosomal protein
UniProt Gene Name	RILP
UniProt Entry Name	RILP_HUMAN
NCBI Protein Information	rab-interacting lysosomal protein
NCBI Summary for RILP	This gene encodes a lysosomal protein that interacts with RAB7, a small GTPase that controls transport to endocytic degradative compartments. Studies using mutant forms of the two proteins suggest that this protein represents a downstream effector for RAB7, and both proteins act together in the regulation of late endocytic traffic. A unique region of this protein has also been shown to be involved in the regulation of lysosomal morphology. [provided by RefSeq, Sep 2011]
UniProt Comments for RILP	RILP: Rab effector playing a role in late endocytic transport to degradative compartments. Involved in the regulation of lysosomal morphology and distribution. Induces recruitment of dynein-dynactin motor complexes to Rab7A-containing late endosome and lysosome compartments. Promotes centripetal migration of phagosomes and the fusion of phagosomes with the late endosomes and lysosomes. 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 17p13.3 Cellular Component: phagocytic vesicle membrane; protein complex; mitochondrion; late endosome membrane; lysosome; lysosomal membrane; late endosome Molecular Function: protein binding; Rab GTPase binding Biological Process: protein transport; endosome to lysosome transport; antigen processing and presentation of exogenous peptide antigen via MHC class II
Research Articles on RILP	**1.** RILP directly and concomitantly binds the tethering HOPS complex and the p150(Glued) subunit of the dynein motor. ORP1L then functions as a cholesterol-sensing switch controlling RILP-HOPS-p150(Glued) interactions.
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/blocking-peptide/rilp/153053