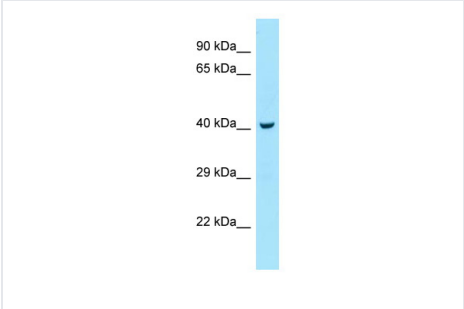
RILP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RILP, Polyclonal Antibody
Full Product Name	RILP antibody - C-terminal region
Product Gene Name	anti-RILP antibody
Product Synonym Gene Name	FLJ31193; PP10141
Immunogen Sequence	Synthetic peptide located within the following region: FGLWYRGKAE SSEDETSSPA PSKLGGEEEA QPQSPAPDPP CSALHEHLCL
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity Purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	RILP peptide (MBS3241213) is used for blocking the activity of RILP antibody (MBS3216312)
Molecular Weight	44kDa
OMIM	607848
3D Structure	ModBase 3D Structure for Q96NA2
Homology	Human: 100%
Product Categories/Family for anti-RILP antibody	Polyclonal; Cell Biology; Membrane & Traffic
Applications Tested/Suitable for anti-RILP antibody	Western Blot (WB)
Related Product Information for anti-RILP antibody	This is a rabbit polyclonal antibody against RILP. It was validated on Western Blot Target Description: 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.
Other Notes	Small volumes of anti-RILP 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.
Searchable Terms for RILP purchase	MBS3216312 is an antibody targeting RILP. Also known as RILP antibody - C-terminal region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-RILP antibody
WB Suggested Anti-RILP AntibodyTitration: 1.0 ug/mlPositive Control: NCI-H226 Whole Cell

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 Related Accession #	Q96NA2
GenBank Nucleotide #	NM_031430
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; lysosomal membrane; late endosome membrane; lysosome; late endosome Molecular Function: protein binding; Rab GTPase binding Biological Process: protein transport; antigen processing and presentation of exogenous peptide antigen via MHC class II; endosome to lysosome transport
Research Articles on RILP	**1.** Caspase-1 regulates cellular trafficking via cleavage of the Rab7 adaptor protein RILP in cultured neoplastic epithelial cells has been reported.
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