## Immunotag<sup>™</sup> RILP Polyclonal Antibody

## **Antibody Specification**

Catalog No.	ITN1135
Product Description	Immunotag™ RILP Polyclonal Antibody
Size	50 μg, 100 μg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	RILP
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human protein . at AA range: 70-150
Specificity	RILP Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	RILP PP10141
Accession No.	Q96NA2 Q5ND29
Description	Rab interacting lysosomal protein(RILP) Homo sapiens 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],

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Protein Expression	Brain,Cervix carcinoma,Kidney,Lung,Skeletal muscle,Testis,Thalamus,Uterus,
Subcellular Localization	mitochondrion,lysosome,lysosomal membrane,late endosome,cytosol,phagocytic vesicle membrane,late endosome membrane,ciliary basal body,protein complex,
Protein Function	function: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 Rab7-containing late endosome and lysosome compartments. Promotes centripetal migration of phagosomes and the fusion of phagosomes with the late endosomes and lysosomes.,similarity:Contains 1 RILP-like domain.,subcellular location:Associated with late endosomal, lysosomal and phagosomal membranes. The interaction with RAB7 is necessary for its recruitment to phagosomes.,subunit:Homodimer. Each subunit can interact with either RAB7 or RAB34.,tissue specificity:Ubiquitous. Strongly expressed in fetal heart, heart, stomach, spleen, adrenal gland, thyroid gland, salivary gland, fetal liver, liver and lung. Poorly expressed in brain.,
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