



## Rabbit Anti-MYRIP/Biotin Conjugated antibody

SL11038R-Bio

**Product Name** Anti-MYRIP/Biotin**Chinese Name** 生物素标记的 MYRIP 蛋白抗体**Alias** exophilin 8; exophilin; Exophilin-8; Exophilin8; Myosin VIIA and Rab interacting protein; Myosin VIIA interacting protein; MyRIP; MYRIP\_HUMAN; rab effector MYRIP; SLAC 2C; SLAC2 C; SLAC2C; Slp homolog lacking C2 domains c; Slp homologue lacking C2 domains; Slp homologous C2 domains c antibody Synaptotagmin like protein homologue lacking C2 domains c; synaptotagmin like protein homologue lacking C2 domains-c.**Research Area** Neurobiology Signal transduction Cytoskeleton**Immunogen Species** Rabbit**Clonality** Polyclonal**React Species** (predicted:Human,Mouse,Rat,Pig,Cow,Horse,Rabbit)**Applications** WB=1000-10000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:50-200,IF=1:100-500,ELISA=not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.**Molecular weight** 95kDa**Form** Lyophilized or Liquid**Concentration** 1mg/ml**immunogen** KLH conjugated synthetic peptide derived from human MYRIP/SLAC2-C**Lsotype** IgG**Purification** affinity purified by Protein A**Storage Buffer** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.**Storage** Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.**Product Detail** **background:** Slac2-c is a Rab effector protein that is expressed in a variety of tissues including brain, heart, sk

Found in the basal microvilli of retinal pigment cells and in pre- and post-synaptic areas in photoreceptor cells, Slac2-c is involved in melanosome transport and functions to link Rab 27a with the actin-binding proteins Myosin Va and Myosin VIIa. Once linked, the Myosins are able to transport Rab 27a to melanosomes, thereby linking the actin cytoskeleton with the melanosome membrane. Slac2-c contains one FYVE-type zinc finger and one Rab-binding domain and is able to bind actin-like proteins through its conserved C-terminal region. Additionally, Slac2-c is thought to regulate the final steps of insulin secretion by mediating the interaction of secretory granules with the cortical actin cytoskeleton.

**Function:**

Rab effector protein involved in melanosome transport. Serves as link between melanosome-bound Rab27a and the motor proteins MYO5A and MYO7A. May link RAB27A-containing vesicles to actin filaments.

**Subunit:**

Binds MYO5A, MYO7A and F-actin. Binds RAB27A that has been activated by GTP-binding to its N-terminus. Interacts with PRKAR2A. Interacts with components of the exocyst complex, including EXOC4.

**Subcellular Location:**

Cytoplasm. In pre- and post-synaptic areas in photoreceptor cells and in the basal microvilli of retinal epithelium cells. Associated with melanosomes. Colocalizes with actin filaments.

**Tissue Specificity:**

Detected in brain, skin, heart, adrenal medulla, pancreas, intestine, liver, kidney, muscle and testis.

**Similarity:**

Contains 1 FYVE-type zinc finger.  
Contains 1 RabBD (Rab-binding) domain.

**Database links:**

[Entrez Gene: 25924](#) Human

[Entrez Gene: 245049](#) Mouse

[Entrez Gene: 360034](#) Rat

[Omim: 611790](#) Human

[SwissProt: Q8NFW9](#) Human

[SwissProt: Q8K3I4](#) Mouse

[SwissProt: Q7TNY7](#) Rat



[Unigene: 594535](#) Human

[Unigene: 100936](#) Mouse

[Unigene: 161974](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.