

## Rabbit Anti-MYRIP/AP Conjugated antibody

SL11038R-AP

<b>Product Name</b>	Anti-MYRIP/AP
<b>Chinese Name</b>	碱性磷酸酶 (AP) 标记的 MYRIP 蛋白抗体
<b>Alias</b>	exophilin 8; exophilin; Exophilin-8; Exophilin8; Myosin VIIA and Rab interacting protein; Myosin-VIIa- and Rab-interacting protein; MyRIP; MYRIP_HUMAN; rab effector MYRIP; SLAC 2C; SLAC2 C; SLAC2-C; SLAC2C; Slp homolog lacking C2 domains c; Slp homologue lacking C2 domains; Slp homologue lacking C2 domains c antibody Synaptotagmin like protein homologue lacking C2 domains c; synaptotagmin-like protein homologue lacking C2 domains-c.
<b>Research Area</b>	Neurobiology Signal transduction Cytoskeleton
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	(predicted:Human,Mouse,Rat,Pig,Cow,Horse,Rabbit) WB=1000-10000,IHC-P=1:100-500,IHC-F=1:100-500,ELISA=1:500-5000
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	95kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human MYRIP/SLAC2-C
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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.
<b>Storage</b>	
<b>Product Detail</b>	<b>background:</b> Slac2-c is a Rab effector protein that is expressed in a variety of tissues including brain, heart, skin and liver. 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-based motor proteins Myosin Va and Myosin VIIa. Once linked, the Myosins are able to transport Rab 27a to retinal 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 exocytosis 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 via its N-terminus. Interacts with PRKAR2A. Interacts with components of the exocyst complex, including EXOC3 and EXOC4.

**Subcellular Location:**

Cytoplasm. In pre- and post-synaptic areas in photoreceptor cells and in the basal microvilli of retinal pigment 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.