



## Rabbit Anti-RILPL2 antibody

SL11944R

<b>Product Name:</b>	RILPL2
<b>Chinese Name:</b>	Rab溶酶体相互作用蛋白样2抗体
<b>Alias:</b>	FLJ30380; FLJ32372; MGC7036; p40phox-binding protein; Rab-interacting lysosomal protein-like 2; RILP-like protein 2; RILPL2; RIPL2_HUMAN; RLP2; Rab interacting lysosomal protein-like 2.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Horse,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	24kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human RILPL2:111-211/211
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	RILPL2 is a 211 amino acid protein that belongs to the RILPL family. RILPL2 does not regulate lysosomal morphology or distribution. RILPL2 shares 32% and 18% amino acid identity with RILPL1 and RILP, respectively. RILPL2 as a novel interacting partner for the actin-based molecular motor MyoVa, and has a novel role for RILPL2 in controlling neuronal morphogenesis. It has been suggested that there is also a novel role

for RILPL2 in the regulation of cellular shape and dendritic-spine morphogenesis, probably via the Rac1-Pak pathway. PCR analysis of human tissues detects highest RILPL2 expression in lung, followed by placenta. Lower expression is detected in liver, kidney, pancreas, heart and brain, but no expression is detected in skeletal muscle. The RILPL2 gene is conserved in chimpanzee, dog, cow, mouse, rat, chicken and zebrafish, and maps to human chromosome 12q24.31.

**Function:**

Involved in cell shape and neuronal morphogenesis, positively regulating the establishment and maintenance of dendritic spines. May activate RAC1

**Subunit:**

Interacts (via N-terminus) with MYO5A, the interaction is required for its role in dendrite formation. Interacts with RAC1 (By similarity).

**Subcellular Location:**

Cytoplasm

**Tissue Specificity:**

Widely expressed. Expressed at higher level in lung.

**Similarity:**

Belongs to the RILPL family.  
Contains 1 RILP-like domain.

**SWISS:**

Q969X0

**Gene ID:**

196383

**Database links:**

[Entrez Gene: 196383](#)Human

[Omim: 614093](#)Human

[SwissProt: Q969X0](#)Human

[Unigene: 488173](#)Human

**Important Note:**

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