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**Box 1 | Basic Info**

|                         |               |
|-------------------------|---------------|
| <b>Cat. No.</b>         | ABP-PAB-11641 |
| <b>Animal ID</b>        | RB1087/RB1088 |
| <b>Host</b>             | Rabbit        |
| <b>Reactivity</b>       | Mouse, Rat    |
| <b>Format</b>           | Purified      |
| <b>Accession number</b> | NM_019518     |
| <b>Amount</b>           | 100 µg        |

**Alternative Name(s):** GRP1, (general receptor for phosphoinositides 1)-associated scaffold protein, tamalin

## **Grasp**, General receptor for phosphoinositides 1-associated scaffold protein polyclonal antibody

**G**RASP is a scaffold protein that comprises multiple protein-interacting domains, including a 95-kDa postsynaptic density protein (PSD-95)/discs-large/ZO-1 (PDZ) domain, a leucine-zipper region, and a carboxylterminal PDZ binding motif<sup>1</sup>. GRASP was found to be highly expressed in brain and exhibited lower levels of expression in lung, heart, embryo, kidney, and ovary<sup>3</sup>.

### **Buffers**

Purified rabbit polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.

### **Immunogen**

KLH conjugated synthetic peptide comprised of amino acids 1 - 20 [MTLRRLRKLQQKEETAAPD] of the mouse general receptor for phosphoinositides 1- associated scaffold protein (Grasp) protein.

### **Application:**

Tested by peptide-specific ELISA (1:1,000).

### **Storage:**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C. Avoid repeated freeze-thaw cycles.

### **References:**

1. Tamura T, Mancini A, Joos H, Koch A, Hakim C, Dumanski J, Weidner KM, Niemann H: FMIP, a novel Fmsinteracting protein, affects granulocyte/macrophage differentiation. *Oncogene* 18(47): 6488-6495 (1999).
2. Nagase T, Ishikawa K, Suyama M, Kikuno R, Hiroseawa M, Miyajima N, Tanaka A, Kotani H, Nomura N, Ohara O: Prediction of the coding sequences of unidentified human genes. XIII. The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro. *DNA Res.* 6(1): 63-70 (1999).
3. Xie YG, Han FY, Peyrard M, Ruttledge MH, Fransson I, DeJong P, Collins J, Dunham I, Nordenskjold M, Dumanski JP: Cloning of a novel, anonymous gene from a megabase-range YAC and cosmid contig in the neurofibromatosis type 2/meningioma region on human chromosome 22q12. *Hum. Mol. Genet.* 2(9): 1361-1368 (1993).