

## Product datasheet for **TA349639**

### **GPIP137 (CAPRIN1) Rabbit Polyclonal Antibody**

#### **Product data:**

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Applications:           | WB  |
| Recommended Dilution:   | WB: 200-1000<br>WB positive control: K562 and hela cells  |
| Reactivity:             | Human, Mouse, Rat   |
| Host:                   | Rabbit  |
| Isotype:                | IgG   |
| Clonality:              | Polyclonal  |
| Immunogen:              | Fusion protein of human CAPRIN1   |
| Formulation:            | pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol  |
| Concentration:          | lot specific  |
| Purification:           | Antigen affinity purification   |
| Conjugation:            | Unconjugated  |
| Storage:                | Store at -20°C as received.   |
| Stability:              | Stable for 12 months from date of receipt.  |
| Predicted Protein Size: | 78 kDa  |
| Gene Name:              | cell cycle associated protein 1   |
| Database Link:          | <a href="#">NP_976240</a><br><a href="#">Entrez Gene 362173 Rat</a> <a href="#">Entrez Gene 4076 Human</a><br><a href="#">Q14444</a>  |
| Background:             | Caprin-1 is a protein that in humans is encoded by the CAPRIN1 gene. May regulate the transport and translation of mRNAs of proteins involved in synaptic plasticity in neurons and cell proliferation and migration in multiple cell types. May form homomultimers. Directly interacts with G3BP1 in cytoplasmic RNA granules. Binds directly and selectively to MYC and CCND2 RNAs. In neuronal cells, directly binds to several mRNAs associated with RNA granules, including BDNF, CAMK2A, CREB1, MAP2, NTRK2 mRNAs, as well as to GRIN1 and KPNB1 mRNAs, but not to rRNAs. |
| Synonyms:               | GPIAP1; GPIP137; GRIP137; M11S1; p137GPI; RNG105  |



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## Product images:



Gel: 10%SDS-PAGE

Lysate: 40  $\mu$ g

Lane 1-2: K562 cells  
hela cells

Primary antibody: TA349639 (CAPRIN1 Antibody)  
at dilution 1/250

Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution

Exposure time: 20 seconds