

## Product datasheet for **AP10563PU-N**

### Avil Rabbit Polyclonal Antibody

#### Product data:

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Applications:         | WB   |
| Recommended Dilution: | Western blotting (0.2 - 1.0 µg/ml)   |
| Reactivity:           | Guinea Pig, Mouse, Rabbit, Rat   |
| Host:                 | Rabbit   |
| Clonality:            | Polyclonal   |
| Immunogen:            | Synthetic peptide directed towards the N-term region of rat AVIL   |
| Formulation:          | State: Aff - Purified<br>State: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.<br><i>Note that this product is shipped as lyophilized powder to China customers.</i>  |
| Purification:         | Purified using peptide immunoaffinity column   |
| Conjugation:          | Unconjugated   |
| Storage:              | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer.<br>Avoid repeated freezing and thawing.  |
| Stability:            | Shelf life: one year from despatch.  |
| Gene Name:            | advillin   |
| Database Link:        | <a href="#">Entrez Gene 79253 Rat Q9WU06</a>   |
| Background:           | AVIL is a member of the gelsolin/villin family of actin regulatory proteins. This protein has structural similarity to villin. It binds actin and may play a role in the development of neuronal cells that form ganglia. Avil is a Ca <sup>2+</sup> -regulated actin-binding protein. It may have a unique function in the morphogenesis of neuronal cells which form ganglia. It is required for SREC1-mediated regulation of neurite-like outgrowth. It plays a role in regenerative sensory axon outgrowth and remodeling processes after peripheral injury in neonates. It is involved in the formation of long fine actin-containing filopodia-like structures in fibroblast and is required for SREC1-mediated regulation of neurite-like outgrowth. Avil plays a role in ciliogenesis. |
| Synonyms:             | AVIL, p92  |



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## Product images:



Rat Muscle; WB Suggested Anti-Avil Antibody.  
Titration: 1.0 ug/ml. Positive Control: Rat Muscle;  
Avil antibody - N-terminal region (AP10563PU-N)  
in Rat Muscle cells using Western Blot