

Avil antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10235

Product Information

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|-------------------|---|
| Application | WB |
| Primary Accession | Q9WU06 |
| Other Accession | NM_024401 , NP_077377 |
| Reactivity | Human, Mouse, Rat, Zebrafish, Dog, Horse, Bovine |
| Predicted | Human, Mouse, Rat, Dog, Guinea Pig, Bovine |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 91894 |

Additional Information

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|--------------------------|---|
| Gene ID | 79253 |
| Other Names | Advillin, Peripheral nervous system villin-like protein, Pervin, Avil, Advil |
| Format | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| Reconstitution & Storage | Add 50 ul of distilled water. Final anti-Avil antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| Precautions | Avil antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

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|-------------------|---|
| Name | Avil {ECO:0000312 RGD:620301} |
| Function | Ca(2+)-regulated actin-binding protein which plays an important role in actin bundling. May have a unique function in the morphogenesis of neuronal cells which form ganglia. Required for SREC1- mediated regulation of neurite-like outgrowth. Plays a role in regenerative sensory axon outgrowth and remodeling processes after peripheral injury in neonates (PubMed: 11849295). Involved in the formation of long fine actin-containing filopodia-like structures in fibroblast. Plays a role in ciliogenesis. In podocytes, controls lamellipodia formation through the regulation of EGF-induced diacylglycerol generation by PLCE1 and ARP2/3 complex assembly (By similarity). |
| Cellular Location | Cytoplasm, cytoskeleton. Cell projection, neuron projection. Cell projection, axon. Cell projection, lamellipodium {ECO:0000250 UniProtKB:O75366}. Cell |

junction, focal adhesion {ECO:0000250|UniProtKB:O75366}. Note=In podocytes, present in the F- actin-enriched cell periphery that generates lamellipodia and focal adhesions. {ECO:0000250|UniProtKB:O75366}

Tissue Location

Expressed in dorsal root ganglion (DRG) neurons and superior cervical ganglia (SCG) (PubMed:11849295). Expressed in podocytes (PubMed:29058690).

Images



WB Suggested Anti-Avil Antibody
Titration: 1. $\mu\text{g/ml}$
Positive Control: Rat Muscle

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.