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Avil antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10235

Specification

Avil antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9WU06
Other Accession	NM_024401, NP_077377
Reactivity	**Human, Mouse, Rat, Zebrafish, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**91kDa KDa**

Avil antibody - N-terminal region - Additional Information

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.

Avil antibody - N-terminal region - Protein Information

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}

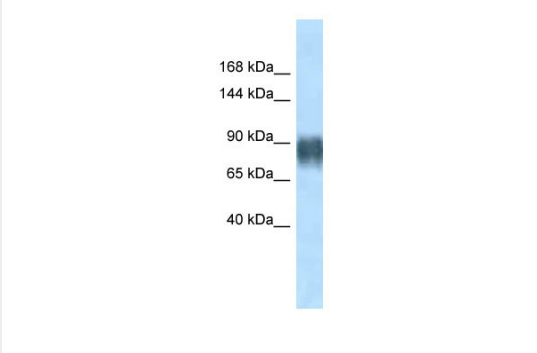
Tissue Location
Expressed in dorsal root ganglion (DRG) neurons and superior cervical ganglia (SCG) (PubMed:11849295). Expressed in podocytes (PubMed:29058690).

Avil antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Avil antibody - N-terminal region - Images



WB Suggested Anti-Avil Antibody
Titration: 1. µg/ml
Positive Control: Rat Muscle