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Avil antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10235

Product Information

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

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

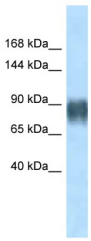
Name	Avil {ECO:0000312|RGD:620301}
Function	Ca(2+)-regulated actin-binding protein which plays an important role in actin bundling. May have a unique function in the morphogenesis of neuronal cells which form ganglia. Required for SREC1- mediated regulation of neurite-like outgrowth. Plays a role in 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. µg/ml
Positive Control: Rat Muscle

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