

Polyclonal Antibody to Advillin (AVIL)

Advillin

Catalog # AP74781

Product Information

Application	WB
Primary Accession	O88398
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	92032

Additional Information

Gene ID	11567
Other Names	ADVIL; p92; DOC6
Target/Specificity	Mus musculus (Mouse)
Dilution	WB~~Western blotting: 0.5-2 μ g/mL Immunohistochemistry: 5-20 μ g/mL Immunocytochemistry: 5-20 μ g/mL Optimal working dilutions must be determined by end user.
Format	PBS, pH7.4, containing 0.02% NaN ₃ , 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	Avil {ECO:0000312 MGI:MGI:1333798}
Synonyms	Advil
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. Involved in the formation of long fine actin-containing filopodia-like structures in fibroblast. Plays a role in ciliogenesis (PubMed: 15247299 , PubMed: 18160648). 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 {ECO:0000250 UniProtKB:O75366}. Cell projection,

lamellipodium {ECO:0000250|UniProtKB:O75366}. Cell junction, focal adhesion {ECO:0000250|UniProtKB:O75366}. Cell projection, neuron projection {ECO:0000250|UniProtKB:Q9WU06}. Cell projection, axon {ECO:0000250|UniProtKB:Q9WU06}. Note=In podocytes, present in the F-actin-enriched cell periphery that generates lamellipodia and focal adhesions. {ECO:0000250|UniProtKB:O75366}

Tissue Location

Most highly expressed in the endometrium of the uterus, the intestinal villi and the testes. Weaker expression also detected in the brain, dorsal root ganglions and on the surface of the tongue.

Images

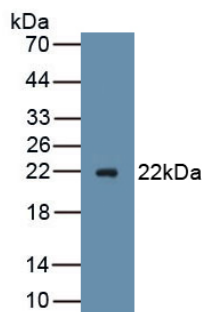


Figure. Western Blot; Sample: Recombinant AVIL, Mouse.

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