10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Filamin A (aa662-676) Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF4105a

Specification

Filamin A (aa662-676) Antibody (internal region) - Product Information

Application	**WB, E**
Primary Accession	P21333
Other Accession	NP_001447.2, NP_001104026.1, 2316
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**280739**

Filamin A (aa662-676) Antibody (internal region) - Additional Information

Gene ID 2316

Other Names
Filamin-A, FLN-A, Actin-binding protein 280, ABP-280, Alpha-filamin, Endothelial actin-binding protein, Filamin-1, Non-muscle filamin, FLNA, FLN, FLN1

Dilution
WB~~1:1000
E~~N/A

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Filamin A (aa662-676) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Filamin A (aa662-676) Antibody (internal region) - Protein Information

Name FLNA

Synonyms FLN, FLN1

Function
Promotes orthogonal branching of actin filaments and links actin filaments to membrane

glycoproteins. Anchors various transmembrane proteins to the actin cytoskeleton and serves as a scaffold for a wide range of cytoplasmic signaling proteins. Interaction with FLNB may allow neuroblast migration from the ventricular zone into the cortical plate. Tethers cell surface-localized furin, modulates its rate of internalization and directs its intracellular trafficking (By similarity). Involved in ciliogenesis. Plays a role in cell-cell contacts and adherens junctions during the development of blood vessels, heart and brain organs. Plays a role in platelets morphology through interaction with SYK that regulates ITAM- and ITAM-like-containing receptor signaling, resulting in by platelet cytoskeleton organization maintenance (By similarity). During the axon guidance process, required for growth cone collapse induced by SEMA3A-mediated stimulation of neurons (PubMed:25358863).

Cellular Location
Cytoplasm, cell cortex. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q8BTM8}. Perikaryon {ECO:0000250|UniProtKB:Q8BTM8}. Cell projection, growth cone {ECO:0000250|UniProtKB:Q8BTM8}. Cell projection, podosome {ECO:0000250|UniProtKB:Q8BTM8}. Note=Colocalizes with CPMR1 in the central region of DRG neuron growth cone (By similarity). Following SEMA3A stimulation of DRG neurons, colocalizes with F-actin (By similarity). Localized to the core of myotube podosomes (By similarity). {ECO:0000250|UniProtKB:Q8BTM8}

Tissue Location
Ubiquitous.

Filamin A (aa662-676) Antibody (internal 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

Filamin A (aa662-676) Antibody (internal region) - Images

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AF4105a (0.1 µg/ml) staining of Human Uterus lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Filamin A (aa662-676) Antibody (internal region) - Background

This antibody is expected to recognize both reported isoforms (NP_001447.2; NP_001104026.1).

Filamin A (aa662-676) Antibody (internal region) - References

Macrophage mesenchymal migration requires podosome stabilization by filamin A. Guiet R, Vérollet C, Lamsoul I, Cougoule C, Poincloux R, Labrousse A, Calderwood DA, Glogauer M, Lutz PG, Maridonneau-Parini I. The Journal of biological chemistry 2012 Apr 287 (16): 13051-62. PMID: 22334688