

**Filamin A (aa662-676) Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF4105a

### Specification

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

Application	WB
Primary Accession	<a href="#">P21333</a>
Other Accession	<a href="#">NP_001447.2</a> , <a href="#">NP_001104026.1</a> , <a href="#">2316</a>
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

#### 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: <a href="http://www.uniprot.org/citations/25358863" target="\_blank">25358863</a>).

#### 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 Cytometry](#)
- [Cell Culture](#)

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



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. Guet 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