

# FLNA / Filamin A Antibody (aa2121-2170)

Rabbit Polyclonal Antibody Catalog # ALS15008

# **Specification**

## FLNA / Filamin A Antibody (aa2121-2170) - Product Information

Application
Primary Accession
Reactivity

Host Clonality Calculated MW

Dilution

WB, IHC-P, E

P21333

Human, Mouse, Rat

Rabbit
Polyclonal
281kDa KDa
WB~~1:1000
IHC-P~~N/A
E~~N/A

## FLNA / Filamin A Antibody (aa2121-2170) - 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, FLN1

### Target/Specificity

Filamin A Antibody detects endogenous levels of total Filamin A protein.

#### **Reconstitution & Storage**

Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

### **Precautions**

FLNA / Filamin A Antibody (aa2121-2170) is for research use only and not for use in diagnostic or therapeutic procedures.

# FLNA / Filamin A Antibody (aa2121-2170) - 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).

**Tissue Location** Ubiquitous.

{ECO:0000250|UniProtKB:Q8BTM8}

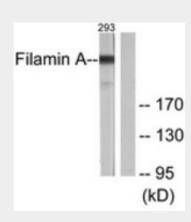
**Volume** 50 μl

## FLNA / Filamin A Antibody (aa2121-2170) - Protocols

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

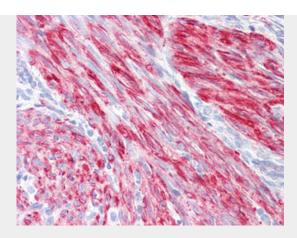
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## FLNA / Filamin A Antibody (aa2121-2170) - Images



Western blot of extracts from 293 cells, treated with EGF 200 ng/ml 5', using Filamin Antibody.





Anti-FLNA / FMD antibody IHC of human uterus.

# FLNA / Filamin A Antibody (aa2121-2170) - Background

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# FLNA / Filamin A Antibody (aa2121-2170) - References

Gorlin J.B.,et al.J. Cell Biol. 111:1089-1105(1990). Patrosso M.C.,et al.Genomics 21:71-76(1994). Chen E.Y.,et al.Hum. Mol. Genet. 5:659-668(1996). Li J.,et al.Mol. Cell. Proteomics 9:2517-2528(2010). Ota T.,et al.Nat. Genet. 36:40-45(2004).