

Filamin A antibody
Rabbit mAb
Catalog # AP90203

Specification

Filamin A antibody - Product Information

Application **WB, IHC, FC, ICC**
Primary Accession [P21333](#)
Reactivity **Rat**
Clonality **Monoclonal**

Other Names

ABP-280; ABPX; actin binding protein 280; Alpha-filamin; filamin 1; filamin A, alpha; FLN1; FLNA; FMD; MNS; NHBP; Non-muscle filamin; OPD; OPD1;

Isotype **Rabbit IgG**
Host **Rabbit**
Calculated MW **280739 Da**

Filamin A antibody - Additional Information

Dilution **WB~~1:1000**
IHC~~1:100~500
FC~~1:10~50
ICC~~N/A

Purification **Affinity-chromatography**
Immunogen **A synthesized peptide derived from human Filamin A**

Description **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 FLNA may allow neuroblast migration from the ventricular zone into the cortical plate.**

Storage Condition and Buffer **Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

Filamin A antibody - 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

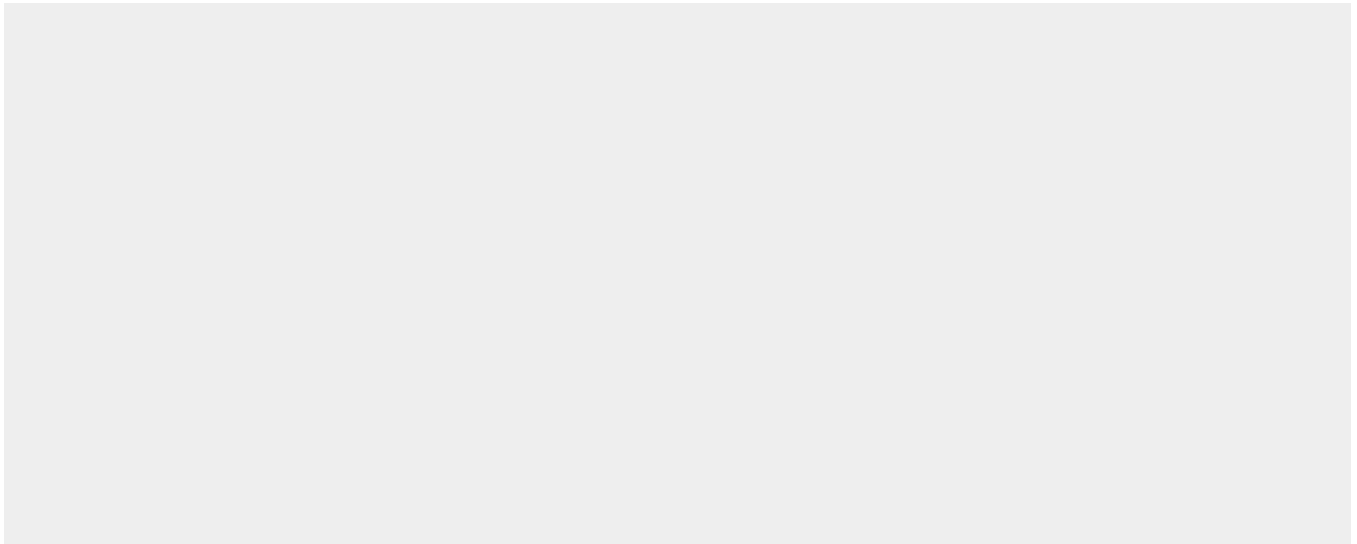
Ubiquitous.

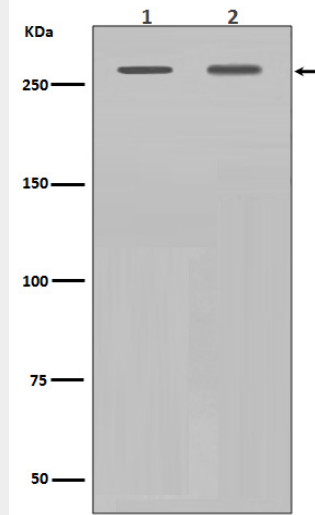
Filamin A antibody - Protocols

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 antibody - Images





Western blot analysis of Filamin A expression in (1) NIH/3T3 cell lysate;(2) HeLa cell lysate.