

**FLNA / Filamin A Antibody (clone 4E10-1B2)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS14377****Specification**

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**FLNA / Filamin A Antibody (clone 4E10-1B2) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P21333</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	281kDa KDa

**FLNA / Filamin A Antibody (clone 4E10-1B2) - 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

**Target/Specificity**

Human FLNA

**Reconstitution & Storage**

Aliquot and store at -20°C or -80°C. Avoid freeze-thaw cycles.

**Precautions**

FLNA / Filamin A Antibody (clone 4E10-1B2) is for research use only and not for use in diagnostic or therapeutic procedures.

**FLNA / Filamin A Antibody (clone 4E10-1B2) - 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}. 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). {ECO:0000250|UniProtKB:Q8BTM8}

#### Tissue Location

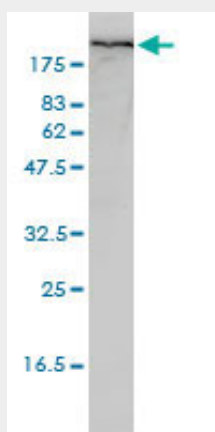
Ubiquitous.

### FLNA / Filamin A Antibody (clone 4E10-1B2) - Protocols

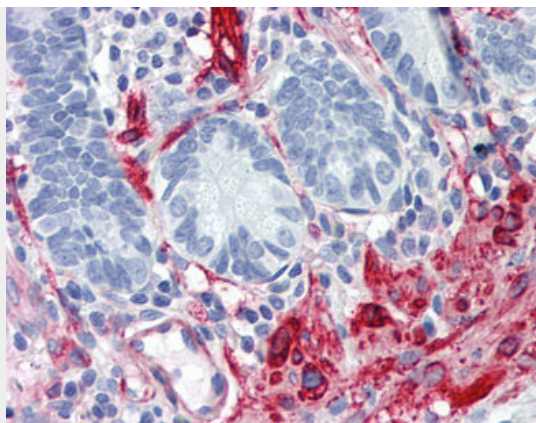
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### FLNA / Filamin A Antibody (clone 4E10-1B2) - Images



Western blot of FLNA expression in HL-60 cell lysate.



Anti-FLNA / FMD antibody IHC of human small intestine.

#### **FLNA / Filamin A Antibody (clone 4E10-1B2) - Background**

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#### **FLNA / Filamin A Antibody (clone 4E10-1B2) - 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).