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FLNA Antibody
Mouse Monoclonal Antibody (Mab)
Catalog # AW5481

Specification

FLNA Antibody - Product Information

Application	**WB,E**
Primary Accession	P21333
Reactivity	**Human, Rat**
Predicted	**Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**H=280;M=280;R=280 KDa**
Isotype	**IgG1**
Antigen Source	**HUMAN**

FLNA Antibody - 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

Target/Specificity
Purified His-tagged FLNA protein was used to produced this monoclonal antibody.

Format
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

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

Precautions
FLNA Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

FLNA 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.

FLNA 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 Cytomety
- Cell Culture

FLNA Antibody - Images

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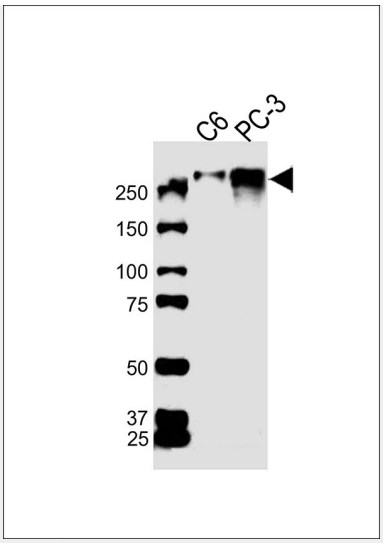

All lanes : Anti-FLNA Antibody at 1:1000 dilution Lane 1: C6 whole cell lysates Lane 2: PC-3 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Mouse IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 280 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

FLNA Antibody - Background

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FLNA Antibody - 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).