

Filamin A monoclonal antibody

Catalog: MB66925

Host: Mouse

Reactivity: Human, Mouse, Rat

BackGround:

Filamins are a family of dimeric actin binding proteins that function as structural components of cell adhesion sites. They also serve as a scaffold for subcellular targeting of signaling molecules. The actin binding domain located at the amino terminus is followed by as many as 24 tandem repeats of about 96 residues and the dimerization domain is located at the carboxy terminus. In addition to actin filaments, filamins associate with other structural and signaling molecules such as 尾-integrins, Rho/Rac/Cdc42, PKC and the insulin receptor, primarily through the carboxy-terminal dimerization domain. Filamin A, the most abundant, and filamin B are widely expressed isoforms, while filamin C is predominantly expressed in muscle. Filamin A is phosphorylated by PAK1 at Ser2152, which is required for PAK1-mediated actin cytoskeleton reorganization.

Product:

Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 280 kDa

Swiss-Prot:

P21333

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/1000 - 1/2000), IF/ICC (1/10 - 1/50)

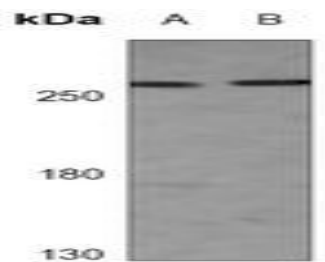
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

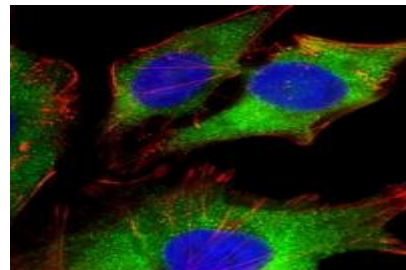
Specificity:

Recognizes endogenous levels of Filamin A protein.

DATA:



Western blot analysis of Filamin A expression in HeLa (A), C6 (B), PC3 (C), COS7 (D), NIH3T3 (E) whole cell lysates.



Immunofluorescent analysis of Filamin A staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF555 was used to stain the cytoplasm (red). DAPI was used to stain the cell nuclei (blue).

Note:

For research use only, not for use in diagnostic procedure.

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