

Filamin A/B (Phospho-S2152/2107) Rabbit monoclonal antibody

Catalog: MB66417

Host: Rabbit

Reactivity: Human, 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 (α -actinin 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 β -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:

Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.

Molecular Weight:

~ 280 kDa

Swiss-Prot:

O75369

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/100), IF/ICC (1/50 - 1/100)

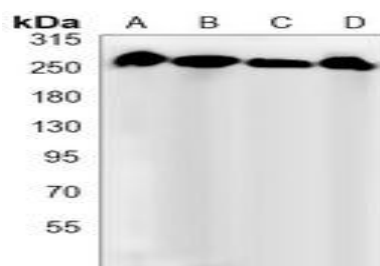
Storage&Stability:

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

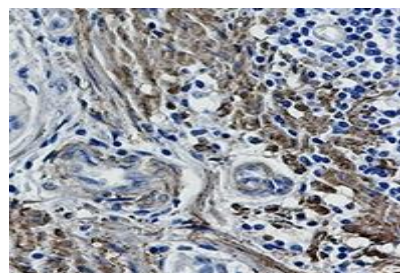
Specificity:

Recognizes endogenous levels of Filamin A/B (pS2152/2107) protein.

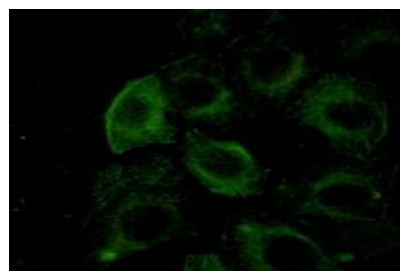
DATA:



Western blot analysis of Filamin A/B (pS2152/2107) expression in HeLa (A), A549 (B), U2OS (C), C6 (D) whole cell lysates.



Immunohistochemical analysis of Filamin A/B (pS2152/2107) staining in human cholangiocarcinoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.47). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Filamin A/B (pS2152/2107) staining in A549 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 anti-

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body 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 temper-

ature in the dark.

Note:

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

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