**Filamin C Antibody**

**For Research Use Only. Not For Use In Diagnostic Procedures.**

**Applications**

<table>
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<tr>
<th>Applications</th>
<th>Species Cross-Reactivity*</th>
<th>Molecular Wt.</th>
<th>Source</th>
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<tbody>
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<td>W Endogenous</td>
<td>H, (Mk)</td>
<td>290 kDa</td>
<td>Rabbit **</td>
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**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 (1). The actin binding domain (alpha-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 beta integrins, Rho/Rac/Cdc42, PKC, and the insulin receptor, primarily through the carboxy-terminal dimerization domain (1-3). Filamin A, the most abundant, and filamin B are widely expressed isoforms, while filamin C is predominantly expressed in muscle (1). Filamin A is phosphorylated by PKA1 at Ser2152, which is required for PKA1-mediated actin cytoskeleton reorganization (4).

**Specificity/Sensitivity:** Filamin C Antibody recognizes endogenous levels of total filamin C protein.

**Source/Purification:** Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human filamin C protein. Antibodies are purified by protein A and peptide affinity chromatography.

**Background References:**


**Storage:** Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.

*Species cross-reactivity is determined by western blot.

**Anti-rabbit secondary antibodies must be used to detect this antibody.

**Recommended Antibody Dilutions:**

- Western blotting 1:1000
- Flow cytometry
- Immunofluorescence

For product specific protocols please see the web page for this product at www.cellsignal.com.

Please visit www.cellsignal.com for a complete listing of recommended complementary products.

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