

#### DESCRIPTION

|                           |                                                                                                                                                                                                         |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                   |
| <b>Specificity</b>        | Detects endogenous human Mena in Western blots.                                                                                                                                                         |
| <b>Source</b>             | Polyclonal Goat IgG                                                                                                                                                                                     |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                               |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human Mena<br>Asn386-Arg513<br>Accession # Q8N8S7                                                                                                                   |
| <b>Conjugate</b>          | Alexa Fluor 700<br>Excitation Wavelength: 675-700 nm<br>Emission Wavelength: 723 nm                                                                                                                     |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide                                                                                                                                            |
|                           | *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

#### PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

#### BACKGROUND

Mena (mammalian ENA; also protein enabled homolog) is a cytosolic member of the Ena/VASP family of proteins. It runs anomalously high in SDS-PAGE due to a high proline content. Multiple cell types produce Mena, including fibroblasts, myoepithelial cells, neurons and endothelium. Mena promotes the organization of actin filaments in filopodia, and strengthens cell-cell interactions in epithelia. Human Mena is 591 amino acids (aa) in length. It contains one WH1 domain (aa 1-111), two coiled-coil regions (aa 135-265 and 557-587), a Pro-rich segment (aa 310-373) and an EVH domain (aa 391-588) that binds G- and F-actin, and mediates tetramerization. There is a 140 kDa neuronal isoform that shows a large 228 aa insertion after Ala268.

#### PRODUCT SPECIFIC NOTICES

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