

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human Mena in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Mena Asn386-Arg513 Accession # Q8N8S7
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	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

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	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.

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