

DESCRIPTION

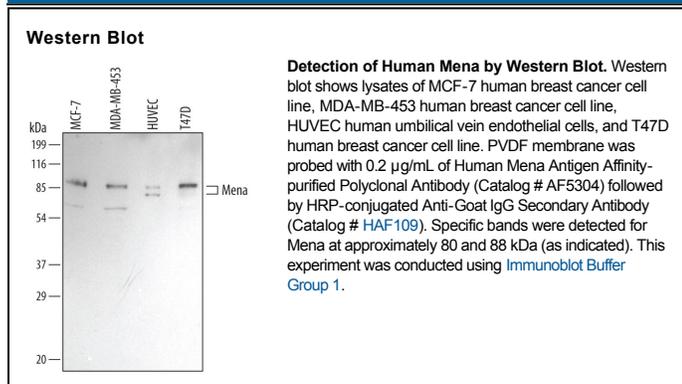
Species Reactivity	Human
Specificity	Detects endogenous human Mena in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Mena Asn386-Arg513 Accession # Q8N8S7
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	0.2 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.