

# Mena/Enah Polyclonal Antibody

<b>CATALOG #:</b>	3878-100
<b>AMOUNT:</b>	100 $\mu$ L
<b>LOT #:</b>	_____
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	Synthetic peptide of human Mena/Enah

## FORMULATION:

100  $\mu$ L affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA and 0.01% thimerosal.

**SPECIES REACTIVITY:** human

## STORAGE CONDITIONS:

Store at  $-20^{\circ}\text{C}$ . For long term storage, aliquot and freeze at  $-70^{\circ}\text{C}$ . Avoid repeated freeze/thaw cycles.

## BACKGROUND:

Mena (mammalian enabled), EVL, and VASP are members of the Ena/VASP family, which is involved in controlling cell shape and cell movement by shielding actin filaments from capping proteins. Mena interacts with actin filaments at the growing ends localizing to lamellipodia and to tips of growth cone filopodia in neurons. Axons projecting from interhemispheric cortico-cortical neurons are misrouted in newborn, homozygous Mena knock-out mice. Mena is phosphorylated at Ser236 by PKA promoting filopodial formation and elongation in the growth cone.

## SPECIFICITY:

The antibody recognizes a single 80 kDa band from samples of human origins. Reactivity to other species has not been tested.

## APPLICATION:

The antibody can be used in Western blotting (1:500 to 1:2000). However, the optimal concentrations should be determined individually. HeLa cell lysate can be used as a positive control.

**USAGE:** *For Research Use Only. Not to be used in humans.*

## RELATED PRODUCTS:

### Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

### Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

### Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

### Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

### Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

### Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- $\beta$ -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

### Growth Factors and Cytokines

### Monoclonal and Polyclonal Antibodies