

Mena (H-58): sc-366150

BACKGROUND

The Wiskott-Aldrich syndrome (WAS) is characterized by thrombocytopenia, eczema, defects in cell-mediated and humoral immunity and a propensity for lymphoproliferative diseases. The syndrome is the result of a mutation in the gene encoding a proline-rich protein termed WASP. WASP is a down-stream effector of Cdc42 and has been implicated in actin polymerization and cytoskeletal organization. Distantly related proteins, VASP (vasodilator-stimulated phosphoprotein) and Mena (for mammalian enabled protein), are involved in the regulation of cytoskeletal dynamics. Both Mena and VASP accumulate at focal adhesions. Mena is highly expressed in the developing nervous system and may be involved in growth cone motility and axon guidance.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ENAH (human) mapping to 1q42.12; Enah (mouse) mapping to 1 H5.

SOURCE

Mena (H-58) is a rabbit polyclonal antibody raised against amino acids 534-591 mapping at the C-terminus of Mena of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

APPLICATIONS

Mena (H-58) is recommended for detection of Mena of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Mena (H-58) is also recommended for detection of Mena in additional species, including canine, bovine and avian.

Suitable for use as control antibody for Mena siRNA (h): sc-43496, Mena siRNA (m): sc-43497, Mena shRNA Plasmid (h): sc-43496-SH, Mena shRNA Plasmid (m): sc-43497-SH, Mena shRNA (h) Lentiviral Particles: sc-43496-V and Mena shRNA (m) Lentiviral Particles: sc-43497-V.

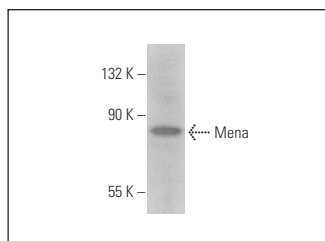
Molecular Weight of Mena tissue specific isoforms: 80/88/140 kDa.

Positive Controls: A-431 whole cell lysate: sc-2201.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



Mena (H-58): sc-366150. Western blot analysis of Mena expression in A-431 whole cell lysate.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

MONOS
Satisfaction
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Try **Mena (21): sc-135988**, our highly recommended monoclonal alternative to Mena (H-58).