

# EVL (C-17): sc-66527

## BACKGROUND

EVL (Ena/VASP-like protein) is an actin-binding protein that belongs to the Mena/VASP protein family. EVL is expressed in filopodial tips and localizes to the edge of the lamellipodia and focal adhesions. In epithelial cells, EVL localizes to the membrane of the lateral domain. EVL contains an N-terminal EVH1 domain, a proline-rich core and a C-terminal EVH2 domain. Via its proline-rich domain, EVL interacts with the SH3 domain of spectrin  $\alpha$  II and the LIM domain of TES. EVL is closely related to VASP (vasodilator-stimulated phosphoprotein) and Mena (for mammalian enabled protein). Mena is highly expressed in the developing nervous system and may be involved in growth cone motility and axon guidance; VASP is involved in the maintenance of cytoarchitecture by interacting with Actin-like filaments. All three proteins, EVL, Mena and VASP, are involved in cell motility and the regulation of cytoskeletal organization and dynamics.

## CHROMOSOMAL LOCATION

Genetic locus: EVL (human) mapping to 14q32.2; Evl (mouse) mapping to 12 F1.

## SOURCE

EVL (C-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of EVL of human origin.

## PRODUCT

Each vial contains 200  $\mu$ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-66527 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## RESEARCH USE

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

## APPLICATIONS

EVL (C-17) is recommended for detection of EVL of mouse and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g 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).

EVL (C-17) is also recommended for detection of EVL in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for EVL siRNA (h): sc-62286, EVL siRNA (m): sc-62287, EVL shRNA Plasmid (h): sc-62286-SH, EVL shRNA Plasmid (m): sc-62287-SH, EVL shRNA (h) Lentiviral Particles: sc-62286-V and EVL shRNA (m) Lentiviral Particles: sc-62287-V.

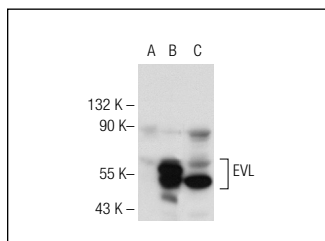
Molecular Weight of EVL: 56 kDa.

Positive Controls: EVL (h2): 293T Lysate: sc-170241 or Ramos cell lysate: sc-2216.

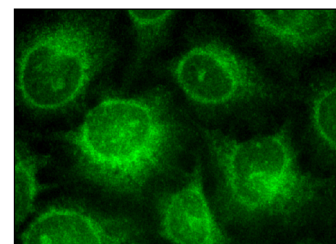
## RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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 donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## DATA



EVL (C-17): sc-66527. Western blot analysis of EVL expression in non-transfected 293T: sc-117752 (A), human EVL transfected 293T: sc-170241 (B) and Ramos (C) whole cell lysates.



EVL (C-17): sc-66527. Immunofluorescence staining of methanol-fixed HeLa cells showing cytoplasmic localization.

## STORAGE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.

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Satisfaction  
Guaranteed

Try **EVL (C-12): sc-373793** or **EVL (G-8): sc-373794**, our highly recommended monoclonal alternatives to EVL (C-17).