

FHOD1 (H-77): sc-99209

BACKGROUND

The limb deformity (ld) locus influences normal limb development and gives rise to alternative mRNAs that can translate into a family of protein products known as formins. Formins play a crucial role in cytoskeletal reorganization by influencing actin filament assembly. The temporal genetic hierarchy influencing normal limb development can deregulate and mediate mammalian developmental syndromes. FHOD1 induces the formation of and associates with bundled actin stress fibers in response to the activity of the Rho-ROCK cascade. It influences several cellular activities including cell migration, cytoskeletal arrangement, signal transduction and gene expression.

REFERENCES

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4. O'Rourke, D.A., et al. 2000. Hepatocyte growth factor induces MAPK-dependent formin IV translocation in renal epithelial cells. *J. Am. Soc. Nephrol.* 11: 2212-2221.
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CHROMOSOMAL LOCATION

Genetic locus: FHOD1 (human) mapping to 16q22.1; Fhod1 (mouse) mapping to 8 D3.

SOURCE

FHOD1 (H-77) is a rabbit polyclonal antibody raised against amino acids 34-110 mapping near the N-terminus of FHOD1 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.

STORAGE

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

APPLICATIONS

FHOD1 (H-77) is recommended for detection of FHOD1 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).

FHOD1 (H-77) is also recommended for detection of FHOD1 in additional species, including equine, canine and bovine.

Suitable for use as control antibody for FHOD1 siRNA (h): sc-60635, FHOD1 siRNA (m): sc-155893, FHOD1 shRNA Plasmid (h): sc-60635-SH, FHOD1 shRNA Plasmid (m): sc-155893-SH, FHOD1 shRNA (h) Lentiviral Particles: sc-60635-V and FHOD1 shRNA (m) Lentiviral Particles: sc-155893-V.

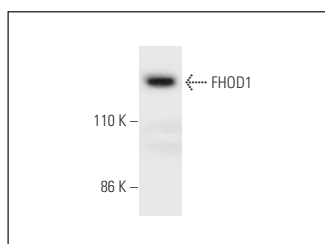
Molecular Weight of FHOD1: 128 kDa.

Positive Controls: K-562 whole cell lysate: sc-2203.

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



FHOD1 (H-77): sc-99209. Western blot analysis of FHOD1 expression in K-562 whole cell lysate.

RESEARCH USE

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

MONOS
Satisfaction
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Try **FHOD1 (D-6): sc-365437** or **FHOD1 (B-6): sc-365433**, our highly recommended monoclonal alternatives to FHOD1 (H-77).