

Rab11-FIP3 (H-135): sc-292964

BACKGROUND

The Ras superfamily of GTPases can be subdivided into the Ras, Rho/Rac, Sar, Rab, Arf, Rap and Ran subfamilies, all of which control multiple aspects of cell function, including cytoskeletal rearrangement, nuclear signaling and cell growth. Members of the Ras protein superfamily are regulated by a variety of GTPase-interaction proteins that control GTPase function. Rab11-FIP3 (Rab11 family-interacting protein 3), also known as Eferin, is a 756 amino acid GTPase-regulating protein that contains 2 EF-hand domains and localizes to recycling endosomes. One of several members of a family of Rab-interacting proteins, Rab11-FIP3 forms a heterooligomeric complex with Rab11-FIP4 and, once in this complex, interacts with and regulates the function of Rab 11A, Rab 11B and Rab 25. Additionally, Rab11-FIP3 is thought to play a role in vesicle docking at the midbody during cytokinesis and may be crucial for maintaining the structural integrity of the endosomal recycling compartment.

CHROMOSOMAL LOCATION

Genetic locus: RAB11FIP3 (human) mapping to 16p13.3; Rab11fip3 (mouse) mapping to 17 A3.3.

SOURCE

Rab11-FIP3 (H-135) is a rabbit polyclonal antibody raised against amino acids 396-530 mapping within an internal region of Rab11-FIP3 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

Rab11-FIP3 (H-135) is recommended for detection of Rab11-FIP3 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).

Rab11-FIP3 (H-135) is also recommended for detection of Rab11-FIP3 in additional species, including bovine.

Suitable for use as control antibody for Rab11-FIP3 siRNA (h): sc-93428, Rab11-FIP3 siRNA (m): sc-152662, Rab11-FIP3 shRNA Plasmid (h): sc-93428-SH, Rab11-FIP3 shRNA Plasmid (m): sc-152662-SH, Rab11-FIP3 shRNA (h) Lentiviral Particles: sc-93428-V and Rab11-FIP3 shRNA (m) Lentiviral Particles: sc-152662-V.

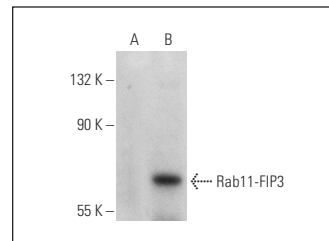
Molecular Weight of Rab11-FIP3: 82 kDa.

Positive Controls: Rab11-FIP3 (m2): 293T Lysate: sc-122923.

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



Rab11-FIP3 (H-135): sc-292964. Western blot analysis of Rab11-FIP3 expression in non-transfected: sc-117752 (A) and mouse Rab11-FIP3 transfected: sc-122923 (B) 293T whole cell lysates.

RESEARCH USE

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

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.



Try **Rab11-FIP3 (6H6): sc-517043**, our highly recommended monoclonal alternative to Rab11-FIP3 (H-135).