

# Rab11-FIP5 (C-13): sc-169095

## BACKGROUND

Rab11 is a GTPase that regulates endosomal trafficking to apical plasma membrane domains in polarized epithelial cells. Rab11-FIP5 (RAB11 family interacting protein 5 [class I]) is a 653 amino acid cytoplasmic protein that is a Rab effector involved in protein trafficking from apical recycling endosomes to the apical plasma membrane. Rab11-FIP5 forms a heterooligomeric complex with Rab11-FIP4, binds  $\gamma$ -SNAP and 60 kDa Ro/SSA, and binds Rab 11A that has been activated by GTP binding. Rab11-FIP5 is detected at low levels in heart, brain, placenta, lung, liver, adipocytes, kidney, spleen, skeletal muscle and pancreas, and contains one C2 domain and one FIP-RBD domain. The Rab11-FIP5 gene is conserved in dog, cow, mouse, chicken and zebrafish, and maps to human chromosome 2p13.2.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: RAB11FIP5 (human) mapping to 2p13.2; Rab11fip5 (mouse) mapping to 6 C3.

## STORAGE

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

## SOURCE

Rab11-FIP5 (C-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of Rab11-FIP5 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-169095 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

Rab11-FIP5 (C-13) is recommended for detection of Rab11-FIP5 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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); non cross-reactive with other Rab11-FIP family members.

Suitable for use as control antibody for Rab11-FIP5 siRNA (h): sc-94705, Rab11-FIP5 siRNA (m): sc-152664, Rab11-FIP5 shRNA Plasmid (h): sc-94705-SH, Rab11-FIP5 shRNA Plasmid (m): sc-152664-SH, Rab11-FIP5 shRNA (h) Lentiviral Particles: sc-94705-V and Rab11-FIP5 shRNA (m) Lentiviral Particles: sc-152664-V.

## 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<sup>™</sup> compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker<sup>™</sup> Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) 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<sup>™</sup> Mounting Medium: sc-24941.

## RESEARCH USE

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

## PROTOCOLS

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