

# Rab 11A (STo 2F3): sc-53426

## BACKGROUND

The Ras-related superfamily of guanine nucleotide binding proteins, which includes the Ral/Rec, Rap, R-Ras and Rho/Rab subfamilies, exhibit 30-60% homology with Ras p21. Accumulating data suggests an important role for Rab proteins, either in endocytosis or in biosynthetic protein transport. The transport of newly synthesized proteins from the endoplasmic reticulum to various stacks of the Golgi complex and to secretory vesicles involves at each stage the movement of carrier vesicles, a process that appears to involve Rab protein function. The possibility that Rab proteins might also direct the exocytosis from secretory vesicles to the plasma membrane is supported by the observation that in yeast, the SEC4 protein, which is 40% homologous to Rab proteins, is associated with secretory vesicles. Several members of the Rab subfamily have been identified, each of which is found at a particular stage of a membrane transport pathway.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: RAB11A (human) mapping to 15q22.31; Rab11a (mouse) mapping to 9 C.

## RESEARCH USE

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

## SOURCE

Rab 11A (STo 2F3) is a mouse monoclonal antibody raised against amino acids 178-188 of Rab 11A of human origin.

## PRODUCT

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

## APPLICATIONS

Rab 11A (STo 2F3) is recommended for detection of Rab 11A of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000).

Suitable for use as control antibody for Rab 11A siRNA (h): sc-36340, Rab 11A siRNA (m): sc-36341, Rab 11A shRNA Plasmid (h): sc-36340-SH, Rab 11A shRNA Plasmid (m): sc-36341-SH, Rab 11A shRNA (h) Lentiviral Particles: sc-36340-V and Rab 11A shRNA (m) Lentiviral Particles: sc-36341-V.

Molecular Weight of Rab 11A: 25 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204 or HeLa whole cell lysate: sc-2200.

## 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) for detailed protocols and support products.



See **Rab 11A (D-3): sc-166523** for Rab 11A antibody conjugates, including AC, HRP, FITC, PE, and Alexa Fluor® 488, 546, 594, 647, 680 and 790.