

Rab 36 (S-16): sc-86809

BACKGROUND

The Ras-related superfamily of guanine nucleotide binding proteins includes the R-Ras, Rap, Ral/Rec and Rho/Rab subfamilies. Increasing data suggests an important role for Rab proteins in either endocytosis or in biosynthetic protein transport. The process of transporting newly synthesized proteins from the endoplasmic reticulum to various stacks of the Golgi complex and to secretory vesicles involves the movement of carrier vesicles and requires Rab protein function. Rab proteins are also an integral part of endocytic pathways. Rab 36 is a ubiquitously expressed member of the Rab family of proteins and localizes to the Golgi membrane where it is believed to participate in protein transport. The gene encoding Rab 36 localizes to a critical region of chromosome 22 that is often deleted or involved in translocations in malignant rhabdoid tumors (MRTs). This suggests that Rab 36 may play a role in the development of MRTs.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RAB36 (human) mapping to 22q11.22; Rab36 (mouse) mapping to 10 B5.3.

SOURCE

Rab 36 (S-16) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of Rab 36 of human origin.

STORAGE

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

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-86809 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Rab 36 (S-16) is recommended for detection of Rab 36 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).

Rab 36 (S-16) is also recommended for detection of Rab 36 in additional species, including equine, canine and bovine.

Suitable for use as control antibody for Rab 36 siRNA (h): sc-76328, Rab 36 siRNA (m): sc-152640, Rab 36 shRNA Plasmid (h): sc-76328-SH, Rab 36 shRNA Plasmid (m): sc-152640-SH, Rab 36 shRNA (h) Lentiviral Particles: sc-76328-V and Rab 36 shRNA (m) Lentiviral Particles: sc-152640-V.

Molecular Weight of Rab 36: 36 kDa.

Positive Controls: A-431 whole cell lysate: sc-2201.

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) 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.

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.


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 Satisfation
 Guaranteed

Try **Rab 36 (379.2): sc-81916**, our highly recommended monoclonal alternative to Rab 36 (S-16).