ARHGAP24 (D-18): sc-249964



The Power to Question

BACKGROUND

GTPase-activating proteins (GAPs) accelerate the intrinsic rate of GTP hydrolysis of Ras-related proteins, resulting in down regulation of their active form. ARHGAP24, also designated p73RhoGAP, RC-GAP72 or FILGAP, is a 748 amino acid Rho GTPase activating protein implicated in cell polarity, cell morphology and cytoskeletal organization. ARHGAP24 exhibits differential expression as isoform 1 is widely expressed, with highest levels observed in kidney, while isoform 2 is primarily expressed in endothelial cells and has been shown to participate in the modulation of angiogenesis. The N-termini of ARHGAP22 and ARHGAP24 share significant amino acid sequence identity.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Arhgap24 (rat) mapping to 14p22.

SOURCE

ARHGAP24 (D-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of ARHGAP24 of rat origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-249964 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ARHGAP24 (D-18) is recommended for detection of ARHGAP24 of rat 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 ARHGAP family members.

Molecular Weight of ARHGAP24: 84 kDa.

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™ compatible donkey anti-goat IgG-HRP: sc-2033 (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 donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

STORAGE

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

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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