

Rab 13 (160A2Z): sc-517610

BACKGROUND

The Ras-related superfamily of guanine nucleotide binding proteins, which includes the R-Ras, Rap, Ral/Rec and Rho/Rab superfamilies, exhibits 30-60% homology with Ras p21. Accumulating data suggests an important role for Rab proteins, either in endocytosis or in biosynthetic protein transport. The Rab family of small G proteins play an important role in determining the specificity of vesicular transport pathways. Rab 13 and Rab 3B localize to tight junctions in epithelial cells and to cytoplasmic vesicular structures in cells lacking tight junctions. Rab 13 can be detected in the junctional complex regions of a variety of epithelia, including intestine, kidney and liver.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RAB13 (human) mapping to 1q21.3.

SOURCE

Rab 13 (160A2Z) is a mouse monoclonal antibody raised against amino acids 1-203 representing full length Rab 13 of human origin.

RESEARCH USE

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

PRODUCT

Each vial contains 100 µg IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Rab 13 (160A2Z) is recommended for detection of Rab 13 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000).

Suitable for use as control antibody for Rab 13 siRNA (h): sc-44060, Rab 13 shRNA Plasmid (h): sc-44060-SH and Rab 13 shRNA (h) Lentiviral Particles: sc-44060-V.

Molecular Weight of Rab 13: 25 kDa.

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 for detailed protocols and support products.