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Centaurin $\alpha 2$ (m): 293T Lysate: sc-125126

BACKGROUND

The ADP-ribosylation factor (ARF) family of small GTP-binding proteins are involved in vesicular transport regulation and in controlling cytoskeletal organization and cell adhesion. The Centaurin GTPase-activating protein family comprise a subset of ARF regulatory molecules that transduce PI 3-kinase activation into coordinated control of ARF-dependent pathways. This family includes ASAP1, ACAP1, ACAP2, AGAP1, ARAP1, ARAP2, Centaurin $\alpha 1$, Centaurin $\gamma 3$ and the recently discovered Centaurin $\alpha 2$. Expressed in a wide variety of tissues such as fat, heart and skeletal muscle, Centaurin $\alpha 2$ is thought to negatively regulate ARF-mediated actin rearrangement by binding activated PI 3-kinase. Although the exact function of Centaurin $\alpha 2$ is not yet known, its high sequence similarity with Centaurin $\alpha 1$ suggests that it may also act as an ARF6 GTPase.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Adap2 (mouse) mapping to 11 B5.

PRODUCT

Centaurin $\alpha 2$ (m): 293T Lysate represents a lysate of mouse Centaurin $\alpha 2$ transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

Centaurin $\alpha 2$ (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Centaurin $\alpha 2$ antibodies. Recommended use: 10-20 μ l per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. 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 for detailed protocols and support products.