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SANTA CRUZ BIOTECHNOLOGY, INC.

Raver1 (h): 293T Lysate: sc-115711

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Raver1, also known as Ribonucleoprotein PTB-binding 1, is a widely expressed 606 amino acid protein that forms complexes with microfilament-associated proteins such as vinculin, metavinculin and α-Actin at microfilament attachment sites. Localized to either the nucleus or cytoplasm, Raver1 regulates alternative splicing events by associating with hnRNP I. With three RNA recognition motifs (RRM) near the N-terminus, Raver1 is thought to function as a potent splicing co-repressor by promotion of exon skipping. In myocytes, Raver1 has been shown to translocate from the nucleus to the cytoplasm, targeting the costamere. Here, it complexes with microfilament-associated proteins during muscle cell differentiation, which suggests that Raver1 may coordinate RNA targeting and processing as required for microfilament anchoring in adhesion sites. There are three isoforms of Raver1 due to alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RAVER1 (human) mapping to 19p13.2.

PRODUCT

Raver1 (h): 293T Lysate represents a lysate of human Raver1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

RESEARCH USE

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

APPLICATIONS

Raver1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive Raver1 antibodies. Recommended use: 10-20 µl 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.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.