SANTA CRUZ BIOTECHNOLOGY, INC.

VIK-1 (h2): 293T Lysate: sc-115377

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. The majority of zinc-finger proteins contain a Krüppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. Vav-interacting Krüppel-like protein (VIK-1), also known as zinc-finger protein 655 (ZNF655), is a 491 amino acid member of the Krüppel C_2H_2-type zinc-finger protein family. Localized primarily to the nucleus, VIK-1 shuttles between the nucleus and the cytoplasm and interacts with c-SH3, one of the three Src domains of Vav that determines its subcellular localization. VIK-1 also plays a roll in cell-cycle progression. VIK-1 interacts with cyclin-dependent kinase 4 (Cdk4) and is involved in inhibiting the G_1/S transition of the cell-cycle.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF655 (human) mapping to 7q22.1.

PRODUCT

VIK-1 (h2): 293T Lysate represents a lysate of human VIK-1 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

VIK-1 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive VIK-1 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.