SANTA CRUZ BIOTECHNOLOGY, INC.

Anamorsin (m2): 293T Lysate: sc-118386

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The Power to Question

BACKGROUND

The name of the protein Anamorsin, also designated cytokine-induced apoptosis inhibitor 1 (CIAPIN1), comes from the Latin term "ana-mors-in", meaning "anti-death molecule". During hematopoiesis, Anamorsin is crucial for mediating the anti-apoptotic effects of various cytokines. It is a ubiquitously expressed protein, and when it is overexpressed, it confers apoptotic resistance. Anamorsin is primarily expressed in the cytoplasm of liver, pancreas and heart tissue cells and does not show any homology to known apoptosis regulatory molecules of the Bcl-2 or CASP families, or to signal transduction molecules. Anamorsin expression in mouse cells confers resistance to apoptosis caused by IL-3 (interleukin-3) deprivation. Studies demonstrate that the addition of growth factors, such as EPO (erythropoietin), SCF (stem cell factor), TPO (thrombopoietin) or IL-3, all of which depend on Ras signaling, induce dose-dependent expression of Anamorsin in mouse cells.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Ciapin1 (mouse) mapping to 8 C5.

PRODUCT

Anamorsin (m2): 293T Lysate represents a lysate of mouse Anamorsin transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

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.

APPLICATIONS

Anamorsin (m2): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Anamorsin 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.

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.