

Anamorsin (G-14): sc-49601

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 (human) mapping to 16q21; Ciapin1 (mouse) mapping to 8 C5.

SOURCE

Anamorsin (G-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of Anamorsin of human origin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-49601 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

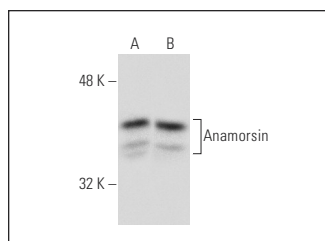
Anamorsin (G-14) is recommended for detection of Anamorsin isoforms 1,2 and 3 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Anamorsin siRNA (h): sc-60168, Anamorsin siRNA (m): sc-60169, Anamorsin shRNA Plasmid (h): sc-60168-SH, Anamorsin shRNA Plasmid (m): sc-60169-SH, Anamorsin shRNA (h) Lentiviral Particles: sc-60168-V and Anamorsin shRNA (m) Lentiviral Particles: sc-60169-V.

Molecular Weight of Anamorsin: 34 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227, MIA PaCa-2 cell lysate: sc-2285 or NTERA-2 cl.D1 whole cell lysate: sc-364181.

DATA



Anamorsin (G-14): sc-49601. Western blot analysis of Anamorsin expression in MIA PaCa-2 (A) and NTERA-2 cl.D1 (B) whole cell lysates.

RESEARCH USE

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

PROTOCOLS

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

MONOS
Satisfaction
Guaranteed

Try **Anamorsin (A-3): sc-271298**, our highly recommended monoclonal alternative to Anamorsin (G-14).