SANTA CRUZ BIOTECHNOLOGY, INC.

ANP32B (m2): 293T Lysate: sc-125817

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

ANP32B (acidic (leucine-rich) nuclear phosphoprotein 32 family, member B), also known as PHAPI2, SSP29 or APRIL, is a 251 amino acid protein that localizes to the nucleus and contains four LRR (leucine-rich repeat) motifs. Expressed in placenta, heart, pancreas, lung, prostate, spleen and thymus, ANP32B exists as a multifunctional protein that plays an essential role in cell cycle progression and cell survival and is required for the G_1 to S phase transition. Additionally, ANP32B functions as an anti-apoptotic factor that inhibits the activity of caspase-3, a protein that is crucial for the successful execution of apoptotic events. Two isoforms of ANP32B exist due to alternative splicing.

REFERENCES

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5. Planelles, L., et al. 2004. APRIL promotes B-1 cell-associated neoplasm. Cancer Cell 6: 399-408.
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CHROMOSOMAL LOCATION

Genetic locus: Anp32b (mouse) mapping to 4 B1.

PRODUCT

ANP32B (m2): 293T Lysate represents a lysate of mouse ANP32B 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.

RESEARCH USE

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

APPLICATIONS

ANP32B (m2): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive ANP32B 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.

PROTOCOLS

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