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DLC-1 (h): 293T Lysate: sc-116333

BACKGROUND

Loss of expression of deleted in liver cancer 1 (DLC-1) protein correlates strongly with cancerous phenotype in a large number of human tissues, such as breast, liver, colon and prostate, and generally occurs due to genomic deletion or aberrant promotor methylation. The gene encoding DLC-1 maps to human chromosome 8p21-22, a region presumed to harbor tumor suppressor genes based on its frequent mutation in a large number of cancers. DLC-1 localizes to the cytoplasm and restored expression leads to caspase-3 mediated apoptosis, and inhibition of cell growth and invasiveness.

REFERENCES

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5. Yuan, B.Z., Jefferson, A.M., Baldwin, K.T., Thorgeirsson, S.S., Popescu, N.C. and Reynolds, S.H. 2004. DLC-1 operates as a tumor suppressor gene in human non-small cell lung carcinomas. *Oncogene* 23: 1405-1411.
6. Syed, V., Mukherjee, K., Lyons-Weiler, J., Lau, K.M., Mashima, T., Tsuruo, T. and Ho, S.M. 2005. Identification of ATF-3, caveolin-1, DLC-1, and NM23-H2 as putative antitumorigenic, progesterone-regulated genes for ovarian cancer cells by gene profiling. *Oncogene* 24: 1774-1787.

CHROMOSOMAL LOCATION

Genetic locus: DLC1 (human) mapping to 8p22.

PRODUCT

DLC-1 (h): 293T Lysate represents a lysate of human DLC-1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

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

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.