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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SANTA CRUZ BIOTECHNOLOGY, INC.

HDGF (m): 293T Lysate: sc-120729

BACKGROUND

Hepatoma Derived Growth Factor (HDGF) is the original member of a family of polypeptides designated HDGF-related proteins (HRPs). HDGF was initially characterized as a secreted mitogen from the Huh-7 human hepatoma cell line. This nuclear targeted vascular smooth muscle cell mitogen (VSM) is a heparin-binding protein that is highly expressed in tumor cells where it stimulates proliferation. HDGF is also reported to be involved in organ development and lung remodeling after injury by promoting proliferation of lung epithelial cells. During development, HDGF expression is high in the nucleus and cytoplasm of smooth muscle and endothelial cells. Expression declines after birth but increases during vascular injury.

REFERENCES

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2. Dietz, F., Franken, S., Yoshida, K., Nakamura, H., Kappler, J. and Gieselmann, V. 2002. The family of hepatoma-derived growth factor proteins: characterization of a new member HRP-4 and classification of its subfamilies. Biochem. J. 366: 491-500.
3. Enomoto, H., Yoshida, K., Kishima, Y., Kinoshita, T., Yamamoto, M., Everett, A.D., Miyajima, A. and Nakamura, H. 2002. Hepatoma-derived growth factor is highly expressed in developing liver and promotes fetal hepatocyte proliferation. Hepatology 36: 1519-1527.
4. Everett, A.D. and Bushweller, J. 2003. Hepatoma derived growth factor is a nuclear targeted mitogen. Curr. Drug Targets 4: 367-371.
5. Bernard, K., Litman, E., Fitzpatrick, J.L., Shellman, Y.G., Argast, G., Polvinen, K., Everett, A.D., Fukasawa, K., Norris, D.A., Ahn, N.G. and Resing, K.A. 2003. Functional proteomic analysis of melanoma progression. Cancer Res. 63: 6716-6725.
6. Okuda, Y., Nakamura, H., Yoshida, K., Enomoto, H., Uyama, H., Hirotani, T., Funamoto, M., Ito, H., Everett, A.D., Hada, T. and Kawase, I. 2003. Hepatoma-derived growth factor induces tumorigenesis *in vivo* through both direct angiogenic activity and induction of vascular endothelial growth factor. Cancer Sci. 94:1034-1041.

CHROMOSOMAL LOCATION

Genetic locus: Hdgf (mouse) mapping to 3 F1.

PRODUCT

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

APPLICATIONS

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