



Fibulin-5 suppresses hepatocellular carcinoma cell adhesion, migration and



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12 Dec 2014 ... **Fibulin-5; Hepatocellular carcinoma; Migration; Invasion; MMP-7** ... motif which binds to **integrins** and mediates endothelial cell **adhesion** [3,4]. ... In melanoma, histamine promoted tumor growth partly **through suppressing Fibulin-5** expression [13]. ... transition (EMT) **via a MMP-dependent mechanism** [14].

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**Fibulin-5** inhibits **hepatocellular carcinoma cell migration and invasion** by ... targeting human integrin  $\alpha 6$  **suppresses** the metastasis potential of hepatocellular ..., Molecular **mechanisms** of action and potential biomarkers of growth inhibition ... and **migration and adhesion through an integrin-dependent pathway** in HCC cells.

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Name of journal: World Journal of Gastroenterology

ESPS Manuscript NO: 19723

Manuscript Type: ORIGINAL ARTICLE

### Basic Study

Effect of fibulin-5 on the adhesion, migration and invasion of hepatocellular carcinoma cells *via* an integrin-dependent mechanism

Jia-Cheng Tang, Jing-Hua Liu, Xiao-Long Liu, Xiao Liang, Xiu-Jun Cai

### Abstract

**AIM:** To elucidate the role of fibulin-5 (FBLN-5) as a suppressor of hepatocellular carcinoma (HCC) cell metastasis via integrin.

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AR Albig, [WP Schiemann](#) - DNA and cell biology, 2004 - online.liebertpub.com

... additional phenol/chloroform extraction and ethanol precipitation prior to its reverse transcription (0.5 mg/re- **action**) **using** random hexamers ... In contrast to its stimulatory **effects** on fibrosarcoma **migration** (Schiemann et al., 2002), FBLN-5 expression had no **effect** on MB114 ...

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P Nyberg, L Xie, R Kalluri - **Cancer** research, 2005 - AACR

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MK Wendt, M Tian, [WP Schiemann](#) - **Cell** and tissue research, 2012 - Springer

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AJ Obaya, S Rua, A Moncada-Pazos, S Cal - **Cancer** letters, 2012 - Elsevier

... **Fibulin-5**, ADCL-2, ARCL1A, ARMD3, DANCE, EVEC, FBLN5, 14q32.1, Fibrosarcoma [70], breast [71], kidney [72 ... of **tumor cells** to fibronectin, a positive modulator of **cell** motility, an **effect** which has ... Localization of Fibulin-1 may also be determinant for its anti or pro-**tumor effects**. ...

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M Preis, [T Cohen](#), Y Sarnatzki, YB Yosef... - Biochemical and ..., 2006 - Elsevier

... was achieved by **over-expressing fibulin-5**. This can be attributed to the **action** of **fibulin** ... ECM

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