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**Long non-coding RNA highly up-regulated in liver cancer promotes
exosome secretion**

Shun-Qi Cao, Hong Zheng, Bao-Cun Sun, Zheng-Lu Wang, Tao Liu, Dong-Hui
Guo, Zhong-Yang Shen

Abstract

BACKGROUND

Highly upregulated in liver cancer (*HULC*) was a long non-coding RNA (lncRNA) which had recently been identified as a key regulator in

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Author: Liang Yang, Xueqiang Peng, Yan Li, X... Publish Year: 2019

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complex, but also increases exosome secretion [20]. However, whether long non-coding RNAs (lncRNAs) participate in the regulation of SNARE proteins and mediate exosome secretion is unclear. HOX transcript antisense RNA (HOTAIR) is a 2158 nucleotide lncRNA transcribed from the HOXC locus and is frequently upregulated in many types of human cancer, including HCC [21].

Author: Liang Yang, Xueqiang Peng, Yan Li, X... Publish Year: 2019

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Jan 05, 2016 · Highly up-regulated in liver cancer (HULC) is a long non-coding RNA (lncRNA). We found that HULC up-regulated sphingosine kinase 1 (SPHK1), which is involved in tumor angiogenesis. Levels of HULC were positively correlated with levels of SPHK1 and its product, sphingosine-1-phosphate (S1P), in patients HCC samples.

Cited by: 105 Author: Zhanping Lu, Zelin Xiao, Fabao Liu, Ming...

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Exosome secretion is a multi-step process regulated by certain related molecules. Long non-coding RNAs (lncRNAs) play an important role in hepatocellular carcinoma (HCC) progression.

Extracellular vesicle long noncoding RNA as potential ...

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Highly upregulated in liver cancer (HULC) inhibits miR-372 activity in an autoregulatory loop that reduces translational repression of its target gene, protein kinase A catalytic subunit beta (PRKACB), and in turn inducing the phosphorylation of camp response element-binding protein (CREB), a transcriptional factor that regulates HULC expression .

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RESEARCH Open Access Long non-coding RNA HOTAIR promotes exosome secretion by regulating RAB35 and SNAP23 in hepatocellular carcinoma Liang Yang, Xueqiang Peng, Yan Li, Xiaodong Zhang, Yingbo Ma, Chunli Wu, Qing Fan, Shibo Wei, Hangyu Li* and Jingang Liu*

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Long non-coding RNAs harboring miRNA seed regions are ...

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Cited by: 77

Author: Alireza Ahadi, Samuel Brennan, Paul J. K...

Publish Year: 2016

Author: Alireza Ahadi

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