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Basic Study

LncRNA-ATB promotes autophagy by activating yes-associated protein and inducing autophagy-related protein 5 expression in hepatocellular carcinoma

Wang CZ *et al.* LncRNA-ATB promotes autophagy in HCC

Chuan-Zhuo Wang, Guang-Xin Yan, De-Shuo Dong, He Xin, Zhao-Yu Liu

Abstract

BACKGROUND

Match Overview

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A long noncoding RNA activated by TGF- β promotes the invasion ...

<https://www.ncbi.nlm.nih.gov/pubmed/24768205>  [翻译此页](#)

作者: JH Yuan - 2014 - 被引用次数: 823 - 相关文章

2014年4月24日 - Cancer Cell. ... A long noncoding RNA activated by TGF- β promotes the invasion-metastasis cascade in **hepatocellular carcinoma**. ... The role of TGF- β -induced epithelial-mesenchymal transition (EMT) ... Thus, these findings suggest that lncRNA-ATB, a mediator of TGF- β signaling, could predispose **HCC** ...

缺少字词: autophagy YAP ATG5

LncRNA-ATB: An indispensable cancer-related long noncoding RNA.

<https://www.ncbi.nlm.nih.gov/pubmed/28884871> - [翻译此页](#)

作者: J Li - 2017 - 被引用次数: 28 - 相关文章

2017年9月8日 - OBJECTIVES: Long non-coding RNAs (lncRNAs) are a group of non-protein-coding ... RNA-activated by transforming growth factor β (lncRNA-ATB) in various types of cancers. ... expression in a variety of malignancies, including **hepatocellular carcinoma**, colorectal cancer, gastric cancer, and lung cancer.

缺少字词: autophagy YAP ATG5

GATA1 activated lncRNA (Galont) promotes anoxia/reoxygenation ...

<https://www.ncbi.nlm.nih.gov/pubmed/29247537> - [翻译此页](#)

作者: G Yin - 2018 - 被引用次数: 1 - 相关文章

2018年1月22日 - GATA1 activated lncRNA (Galont) promotes anoxia/reoxygenation-induced ... Long noncoding RNAs (lncRNAs) are emerging as important regulators in gene expression, which have been involved in multiple ... with miR-338 and promote ATG5-mediated autophagic cell death in murine cardiomyocytes.

缺少字词: ATB YAP hepatocellular carcinoma



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The Role of Autophagy in Hepatocellular Carcinoma

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4661843>

Nov 06, 2015 - **Autophagy** is a catabolic process involved in cellular homeostasis under basal and stressed conditions. **Autophagy** is crucial for normal **liver physiology** and the pathogenesis of **liver diseases**. During the last decade, the function of **autophagy** in hepatocellular carcinoma (HCC) has been evaluated extensively.

Cited by: 32 Author: Yoo Jin Lee, Byoung Kuk Jang

Publish Year: 2015

Long non-coding RNA PVT1 promotes autophagy as ceRNA ...

<https://www.sciencedirect.com/science/article/pii/S0378111919301611>

May 20, 2019 - **Hepatocellular carcinoma** (HCC) is the fourth leading cause of cancer death and ranks fourth among all malignant tumors in China (Chen et al., 2016). For HCC patients, the current therapies are limited and do not improve their survival (Bertuccio et al., 2017). Therefore, it is crucial to elucidate the molecular mechanisms of HCC development and establish promising prognostic factors for HCC ...

Cited by: 1 Author: Liang Yang, Xueqiang Peng, Hongyuan Ji...

Publish Year: 2019

Dysregulated long noncoding RNAs (lncRNAs) in ...

<https://molecular-cancer.biomedcentral.com/articles/10.1186/s12943-017-0734-4>

Oct 23, 2017 - **Hepatocellular carcinoma** (HCC) is one of the most common malignant tumours with a poor prognosis worldwide. While early stage tumours can be treated with curative approaches such as liver transplantation or surgical resection, these are only suitable for a minority of patients. Those with advanced stage disease are only suitable for supportive approaches and most are resistant to the ...

Cited by: 23 Author: Xiaoqi Huo, Shuanglin Han, Shuanglin H...

Publish Year: 2017

Long noncoding RNA HAGLROS regulates apoptosis and ...

<https://onlinelibrary.wiley.com/doi/10.1002/jcb.27676>

Recently, growing incidences have highlighted the key role of **long noncoding RNAs (lncRNAs)** in human cancers. 14, 15 **LncRNAs** are transcribed RNAs with a length more than 200 nucleotides and with little or no protein-coding capability. 16, 17 In CRC pathogenesis, **lncRNAs** have been identified as key players. 18, 19 For instance, the high **lncRNA-ATB expression** is associated with enhanced tumor ...

Cited by: 3 Author: Yansheng Zheng, Kanglian Tan, Haipeng ...

Publish Year: 2019



5,370 Results Any time ▾

[The Role of Autophagy in Hepatocellular Carcinoma](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4661843>

Nov 06, 2015 · **Autophagy** is a catabolic process involved in cellular homeostasis under basal and stressed conditions. **Autophagy** is crucial for normal liver physiology and the pathogenesis of liver diseases. During the last decade, the function of **autophagy in hepatocellular carcinoma (HCC)** has been evaluated ...

Cited by: 32 Author: Yoo Jin Lee, Byoung Kuk Jang

Publish Year: 2015

[YAP promotes multi-drug resistance and inhibits autophagy ...](#)

<https://link.springer.com/article/10.1186/s12935-019-0898-7>

Background Multi-drug resistance is the major cause of chemotherapy failure in **hepatocellular carcinoma (HCC)**. YAP, a critical effector of the Hippo pathway, has been shown to contribute to the...

[The long noncoding RNA HOTAIR activates autophagy by ...](#)

https://www.researchgate.net/publication/303463330_The_long_noncoding_RNA_HOTAIR...

The long noncoding RNA HOTAIR **activates autophagy by** upregulating ATG3 and ATG7 in **hepatocellular carcinoma** Article in Molecular BioSystems 12(8) · June 2016 with 32 Reads DOI: 10.1039/C6MB00114A

[Long non-coding RNA PVT1 promotes autophagy as ceRNA ...](#)

<https://www.sciencedirect.com/science/article/pii/S0378111919301611>

May 20, 2019 · Then, we confirmed that the effect of PVT1 promoting **autophagy** was dependent on regulating ATG3 **expression**. Further investigations revealed that PVT1 could upregulate **autophagy-related gene 3 (ATG3) expression** by acting as an endogenous sponge of miR-365, which was an inhibitor gene on ATG3 **protein** by targeting 3'UTR of ATG3 mRNA.

Cited by: 1 Author: Liang Yang, Xueqiang Peng, Hongyuan Ji...

Publish Year: 2019

[Long noncoding RNA HAGLROS regulates apoptosis and ...](#)

<https://onlinelibrary.wiley.com/doi/10.1002/jcb.27676>

Autophagy related 5 (ATG5) was verified as a functional target of miR-100 and miR-100 regulated HCT-116 cell apoptosis and **autophagy** through targeting ATG5. Besides, HAGLROS overexpression **activated** phosphatidylinositol-3-kinase/protein kinase B/mammalian target of rapamycin (PI3K/Akt/mTOR) pathway.

Cited by: 3 Author: Yansheng Zheng, Kanglian Tan, Haipeng ...

Publish Year: 2019