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Case Control Study

Exosomal miR-182 regulates the effect of RECK on gallbladder cancer

Zheng H *et al.* miR-182/RECK and gallbladder cancer

Hong Zheng, Jin-Jing Wang, Li-Jin Zhao, Xiao-Rong Yang, Yong-Lin Yu

Abstract

BACKGROUND

As is the most common biliary malignancy, gallbladder cancer (GC) is an elderly-biased disease. Although extensive studies have elucidated the molecular mechanism of miR-182 and RECK in various cancers, the specific

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Author: Liang-qi Cao, Xue-wei Yang, Yu-bin Che... **Publish Year:** 2019

Cancer-derived exosomal miR-25-3p promotes pre-metastatic ...

<https://www.nature.com/articles/s41467-018-07810-w>

Dec 19, 2018 · **Cancer**-derived exosomes are considered a major driver of **cancer**-induced pre-metastatic niche formation at foreign sites, but the mechanisms remain unclear. Here, we show that miR-25-3p, a ...

Cited by: 59 **Author:** Zhicheng Zeng, Yuling Li, Yangjian Pan, Xia...

Publish Year: 2018

Exosomal MicroRNAs in Breast Cancer towards Diagnostic and ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5532607>

Jun 24, 2017 · Expression profiling in human breast **cancer** tissues and ER+ cell lines have identified many miRNAs that correlate with ER status and some miRNAs that can confer resistance to tamoxifen treatment, including miR-221 and miR-222. Previous studies indicated that miR-221 and miR-222 down-regulate ERα and p27 .

Cited by: 19 **Author:** Lorenzo F. Sempere, Jessica Keto, Muller F...

Publish Year: 2017

Downregulation of circulating exosomal miR-638 predicts ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5641124>

Sep 22, 2017 · However, more research is warranted to for further investigation. Little is known of the **effect** of circulating **exosomal** miR-638 in colon carcinogenesis, **cancer** cells metabolism, and chemosensitivity analysis. Findings in the present study have provided strong evidence for the prognostic role of serous **exosomal** miR-638 in colon **cancer** progression.

Cited by: 7 **Author:** Shushan Yan, Guangwang Dang, Xiaoyu Zh...

Publish Year: 2017

Oncotarget | Krüppel-like factor 4 (KLF4) regulates the ...

www.oncotarget.com/index.php?journal=oncotarget... ▼

Another set of reports propose that the growth factor TGF-β **regulates** the expression of the **miR-182** cluster in glioma , gallbladder **cancer** metastasis , prostate **cancer** bone metastasis and breast **cancer** but the specific mediators of TGFβ effects were not identified.



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Oct 27, 2019 · Exosomal miR-21 can regulate the expression of the tumor suppressor genes PTEN and PTENp1 in various ways and affect the growth of HCC cells. Introduction Hepatocellular carcinoma (HCC) is one of the most common malignant tumors in the world and ranks fifth in incidence and third in mortality [...

Author: Liang-qi Cao, Xue-wei Yang, Yu-bin Ch... Publish Year: 2019

406958 - Gene ResultMIR182 microRNA 182 [(human)]

<https://www.ncbi.nlm.nih.gov/gene/406958>

Sep 11, 2019 · Methylation of miR-182 promoter region regulate the expression level of miR-182. The miR-183/-96/-182 cluster is up-regulated in most breast cancer. It functions as an oncogene in breast cancer as it increases cell proliferation and migration.

miR-182, of the miR-183 cluster family, is packaged in ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4950593>

Jun 13, 2016 · Furthermore, it was demonstrated that miR-182 is the miR-183 family member that is trafficked by exosomes in the investigated cell types and in human serum. Given the oncogenic role of miR-182, increased exosomal levels of miR-182 in breast cancer may not only contribute to disease aggressiveness, but may additionally be exploited as a biomarker.

Cited by: 13 Author: Brittany L. Mihelich, Shweta Dambal, Sh...

Publish Year: 2016

TGF-β upregulates miR-182 expression to promote ...

https://www.researchgate.net/publication/259825999_TGF-b_upregulates_miR-182...

Another set of reports propose that the growth factor TGF-β regulates the expression of the miR-182 cluster in glioma [26], gallbladder cancer metastasis [27], prostate cancer bone metastasis [28 ...

GAS5 Regulates RECK Expression and Inhibits Invasion ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6348854>

Jan 13, 2019 · Besides, GAS5 positively regulates expression of RECK, a known target of miR-135b, which further inhibit MMP-2 expression and contributes to invasion repression in HCC cells. MiR-135b has been characterized to be upregulated in various types of cancers, including HCC [26], and it has been identified as a crucial downstream effector in oncogenic pathways and a potential therapeutic target for colon cancer ...