

**Name of Journal:** *World Journal of Gastroenterology*

**Manuscript NO:** 47761

**Manuscript Type:** ORIGINAL ARTICLE

*Basic Study*

**MiR-205 mediated adenomatous polyposis coli regulation is contributed to cell proliferation in pancreatic cancer**

Qin RF *et al.* MiR-205 promotes pancreatic cancer proliferation

Rui-Feng Qin, Jia Zhang, Hao-Ran Huo, Zeng-Jiang Yuan, Jia-Dong Xue

Match Overview

1

Crossref 12 words

Wang, Sheng, Guowei Huang, Yun Wang, Tao Huang, Shui qin Lin, and Jiang Gu. "Up-regulation of immunoglobulin G ....

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Hui Pang, Xiuying Yue. "MiR-205 serves as a prognostic fac tor and suppresses proliferation and invasion by targeting....

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Ohnami, S.. "Expression profiles of pancreatic cancer cell li nes infected with antisense K-ras-expressing adenoviral ...

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miR-205 mediated APC regulation is contributed to cell proliferation in pancreatic



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## MicroRNA-205 inhibits Src-mediated oncogenic pathways in ...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) › [Journal List](#) › [HHS Author Manuscripts](#)

Apr 01, 2011 · Src inhibition by siRNA mimics **miR-205 reconstitution** in **renal cancer** and attenuation of **miR-205** in non-malignant **cells** increases **proliferation**, migration and invasion. Almost 5% of the **cells** were in the apoptotic fraction in Src siRNA transfected cells compared to non-specific control ( Figure 5D ).

Cited by: 147

Author: Shahana Majid, Sharanjot Saini, Altaf A D...

Publish Year: 2011

## miR-205-5p-mediated downregulation of ErbB/HER ...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) › ... › [Cell Death Dis](#) › v.6(7); 2015 Jul

Abstract. In addition, it has been reported that **miR-205-5p** is **regulated** by p63, a p53 family member resulting in epithelial to mesenchymal transition inhibition, 18 whereas the loss of the p63/**miR-205** axis enhances **cell migration** and metastasis in **prostate cancer cells**.

Cited by: 19

Author: A De Cola, S Volpe, M C Budani, M Ferra...

Publish Year: 2015

## MicroRNA-205 Inhibits Src-Mediated Oncogenic Pathways in ...

[https://www.researchgate.net/publication/49844806\\_MicroRNA-205...](https://www.researchgate.net/publication/49844806_MicroRNA-205...)

Proliferation of **renal cancer cells** was suppressed by **miR-205**, mediated by the **phospho-Src-regulated ERK1/2 pathway**.

## Chemosensitization and inhibition of pancreatic cancer ...

<https://www.sciencedirect.com/science/article/pii/S0304383517303294>

Compared to gemcitabine (GEM)-sensitive **cells**, **miR-205** is highly downregulated in GEM-resistant **pancreatic cancer cells**. **miR-205 regulates pancreatic cancer stem cells** (CSCs), which in turn result in chemoresistance. **miR-205** overexpression in GEM-resistant **cells** reduces CSCs **proliferation** and inhibits tumor growth by resensitizing to GEM.

Cited by: 14

Author: Amit Kumar Chaudhary, Goutam Mondal,...

Publish Year: 2017





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## Regulation of the Adenomatous Polyposis Coli Gene by the ...

[https://www.researchgate.net/publication/51407217\\_Regulation\\_of\\_the\\_Adenomatous...](https://www.researchgate.net/publication/51407217_Regulation_of_the_Adenomatous...)

Regulation of the Adenomatous Polyposis Coli Gene by the miR-135 Family in Colorectal Cancer

Remco Nagel, 1 Carlos le Sage, 1 Begon ~a D iosdado, 2 Maike van der Waal, 1

## Adenomatous polyposis coli - Wikipedia

<https://en.wikipedia.org/wiki/APC2> ▾

Adenomatous polyposis coli. The activity of one protein in particular, **beta-catenin**, is controlled by the **APC protein** (see: Wnt signaling pathway ). **Regulation of beta-catenin** prevents genes that stimulate **cell** division from being turned on too often and prevents **cell** overgrowth.

**Aliases:** APC, BTPS2, DP2, DP2.5, DP3, GS,... **External IDs:** MGI: 88039 HomoloGene: ...

**PDB:** Ortholog search: PDBe RCSB

## The Adenomatous Polyposis Coli Tumor Suppressor and Wnt ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3066060>

The **adenomatous polyposis coli (APC) tumor suppressor** is an essential negative **regulator** in the evolutionarily conserved Wnt/Wingless (Wg) signal transduction pathway. During normal development, Wnt signaling is required not only to **induce cell** proliferation and **cell** fate specification, but also to induce **apoptotic cell death**.

**Cited by:** 23

**Author:** Hassina Benchabane, Yashi Ahmed

**Publish Year:** 2009

## Adenomatous Polyposis Coli (APC)-independent Regulation ...

[https://www.researchgate.net/publication/10739608\\_Adenomatous\\_Polyposis\\_Coli\\_APC...](https://www.researchgate.net/publication/10739608_Adenomatous_Polyposis_Coli_APC...)

RXR alpha-mediated inactivation of oncogenic beta-catenin paralleled a reduction in cell proliferation. These results suggest a potential role for RXR and its **agonists** in the **regulation of beta** ...

## [PDF] Adenomatous Polyposis Coli Defines Treg ... - cell.com

[https://www.cell.com/cell-reports/pdf/S2211-1247\(17\)31281-0.pdf](https://www.cell.com/cell-reports/pdf/S2211-1247(17)31281-0.pdf)

Adenomatous polyposis coli (APC) is a **polarity regulator** and **tumor suppressor** associated with familial **adenomatous polyposis** and **colorectal cancer** development. Although extensively studied in epithelial transformation, the effect of APC on T lymphocyte activation remains poorly defined. We found that APC ensures T **cell** receptor-triggered



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### MicroRNA-494 promotes cancer progression and targets ...

<https://molecular-cancer.biomedcentral.com/articles/10.1186/s12943-017-0753-1> ▾

Jan 05, 2018 · A key event therefore in both Wnt signal transduction and **cancer cell proliferation** is the **regulation** of **β-catenin stability** and activity. In this study, we have uncovered a mechanism for controlling APC expression, and thereby the activity of the Wnt pathway, through the action of **miR-494**, and suggest that **miR-494 contributes** to **the** pathogenesis of CRC.

Cited by: 19

Author: Ying Zhang, Lu Guo, Yuhuan Li, Gui-Hai ...

Publish Year: 2018

### The emerging roles of YAP and TAZ in cancer

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4562315>

The observation that this pathway — and its role in **cell proliferation** — is conserved in mammals spurred great anticipation and has sustained immense interest in recent years as experimental evidence has shown that the **Hippo pathway** is strongly involved in several processes of **cancer** progression and, in general, has important **regulatory functions** in organ development, **regeneration and stem cell biology 2–4**.

Cited by: 501

Author: Toshiro Moroishi, Carsten Gram Hansen, ...

Publish Year: 2015

### Adenomatous Polyposis Coli Defines Treg ... - cell.com

[https://www.cell.com/cell-reports/fulltext/S2211-1247\(17\)31281-0](https://www.cell.com/cell-reports/fulltext/S2211-1247(17)31281-0) ▾

Agüera-González et al. investigate the role of the polarity regulator and tumor suppressor **Adenomatous polyposis coli** (APC) in CD4 T **cell** activation and effector function. APC controls microtubule reorganization, NFAT transcription factor localization, and cytokine gene expression. In ApcMin/+ mutant mice, regulatory T **cell** (Treg) differentiation and anti-inflammatory function were ...

Cited by: 7

Author: Sonia Agüera-González, Sonia Agüera-G...

Publish Year: 2017

### Regulation of the Adenomatous Polyposis Coli Gene by the ...

[https://www.researchgate.net/publication/51407217\\_Regulation\\_of\\_the\\_Adenomatous...](https://www.researchgate.net/publication/51407217_Regulation_of_the_Adenomatous...)

**Regulation** of the **Adenomatous Polyposis Coli** Gene by the miR-135 Family in Colorectal **Cancer**

Remco Nagel, 1 Carlos le Sage, 1 Begon ~a D iosdado, 2 Maike van der Waal, 1