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Retrospective Study

RBBP4 promotes colon cancer malignant progression *via* regulating Wnt/ β -catenin pathway

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Abstract

BACKGROUND

Our previous study demonstrated that RBBP4 is upregulated in colon cancer, and correlated with poor prognosis of colon cancer and hepatic metastasis. However, the potential biological function of RBBP4 in colon cancer is still unknown.

Match Overview

1	Crossref 48 words Leilei Yuan, Junhong Tian. "LIN28B promotes the progression of colon cancer by increasing B-cell lymphoma 2 expression"	1%
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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5464927>

May 16, 2017 · As a result, it contributes to carcinogenesis and tumor **progression** of several cancers, including **colon cancer**, hepatocellular carcinoma, **pancreatic cancer**, **lung cancer** and **ovarian cancer**. β -Catenin is a pivotal component of the Wnt signaling **pathway** and it is tightly regulated at three hierarchical levels: protein stability, subcellular ...

Cited by: 150

Author: Shuang Shang, Fang Hua, Zhuo-Wei Hu

Publish Year: 2017

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<https://www.sciencedirect.com/science/article/pii/S0014482720304195>

Aberrant activation of Wnt/ β -catenin **pathway**, also referred to as the canonical **pathway**, is essential for the pathogenesis of **colorectal cancer** [4,5]. The Wnt signaling upregulates cytoplasmic β -catenin level through stabilizing β -catenin, which may translocate to the nucleus later for interaction with a subset of transcriptional factors.

α -catenin

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4128878>

Aug 01, 2014 · The Wnt/ β -catenin signaling **pathway** has been shown not only to **promote** tumor formation and **progression** in multiple cancers, 28, 29 including **colorectal cancer**, 7, 30, 31 **lung cancer** 32 and **endometrial cancer**, 33, 34 but also to **regulate** drug resistance. 35

Cited by: 8

Author: Yutong Sun, Jinsong Zhang, Li Ma

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Apr 01, 2019 · LncRNAs **regulate** CRC cells through the Wnt/ β -catenin cascade. β -catenin affects both carcinogenesis and development. Overexpression of Wnt/ β -catenin **pathway** members is a common feature in CRC. 6,19 Studies suggest that β -catenin plays a role as a transcription factor in concert with TCF1 and LEF1 to activate downstream target genes. 20 When Wnt ligands bind to the receptor FZD or ...

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Author: Xiaohuan Tang, Xiaofang Qiao, Chao Chen, ...

Publish Year: 2019

Signaling pathways involved in colorectal cancer progression

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Dec 02, 2019 · Introduction. **Colorectal cancer** is the second most common type of malignancy and the fourth leading cause of the **cancer**-related death worldwide [].In terms of **cancer** etiology, and CRC as a particular example, the mechanism of **cancer** development is a complex multistage process, involving sequential mutational events occurring along with **progression** of the **cancer** [].

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Aug 07, 2013 · 2.1. The WNT Signaling **Pathway**. CIN is the most well characterized type of **colorectal pathway** and the most common. The tumorigenic process involves different mitotic spindle checkpoint regulators and proteins that mutually influence mitotic chromosome stability [10,11]. A “key” initial mutation is the early mutation of the adenomatous polyposis coli (APC) tumor suppressor gene, involved in ...

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Author: Dora Colussi, Giovanni Brandi, Franco B...

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Author: Bin Wang, Yanfang Liang, Xingxing C...

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[\$\beta\$ -Catenin Promotes Colitis and Colon Cancer Through ...](#)

<https://stm.sciencemag.org/content/6/225/225ra28>

Feb 26, 2014 · In human colitis and **colon cancer**, T cells express elevated levels of β -catenin. Earlier, we provided evidence that β -catenin is activated downstream of the TCR (). Both IBD and **colon cancer** involve activation of T cells; therefore, we investigated whether the **Wnt/ β -catenin pathway** was up-regulated in T cells in these diseases.

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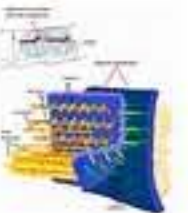
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Catenin

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Wnt Signaling Pathway

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