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Retrospective Study

13

Expression of Notch pathway components (Numb, Itch, and Siah-1) in colorectal tumors: a clinicopathological study

Gonulcu SC *et al.* Notch-1, Numb, Itch and Siah-1 in colon tumors

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Abstract

BACKGROUND

The role of the Notch pathway in carcinogenesis and tumor progression has been demonstrated in many organs, including the colon. Accordingly, studies

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[Notch Signaling Components - PubMed Central \(PMC\)](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4902431>

The released NICD then moves to the nucleus and initiates transcription of **Notch** downstream targets. 9–11 Alteration of **Notch** signaling is implicated in the genesis of several human solid **tumors**, 12,13 for example, liver cancer, 14,15 breast cancer, 16 and lung cancer. 17,18 Unsurprisingly, **notch** signaling has become a major potential ...

Cited by: 6 **Author:** Zhi-Yan Liu, Tao Wu, Qing Li, Min-Cong ...

Publish Year: 2016

[WNT and NOTCH signaling pathways as activators for ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6122622>

Deregulation of WNT and **NOTCH** signaling **pathways** is important in ESCC progression, which can be due to either malfunction of their **components** or crosstalk with other **pathways**. Therefore, identification of new crosstalk between such **pathways** may be effective to introduce new strategies for targeted therapy of cancer.

Cited by: 5 **Author:** Mohammad Reza Abbaszadegan, Anali ...

Publish Year: 2018

[Frontiers | Wnt, Notch, and TGF- \$\beta\$ Pathways Impinge on ...](#)

<https://www.frontiersin.org/articles/10.3389/fgene.2019.00711>

Aug 21, 2019 · Constitutive activation of the Hedgehog (Hh) signaling **pathway** is associated with increased risk of developing several malignancies. The biological and pathogenic importance of Hh signaling emphasizes the need to control its action tightly, both physiologically and therapeutically. Evidence of crosstalk between Hh and other signaling **pathways** is reported in many tumor types.

Cited by: 3 **Author:** Maria Pelullo, Sabrina Zema, Francesca ...

Publish Year: 2019

[Targeting Notch, Hedgehog, and Wnt pathways in cancer stem ...](#)

<https://www.nature.com/articles/nrclinonc.2015.61>



Expression of Notch pathway components (Numb, Itch, ε



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Expression of Notch-1 and its clinical significance in ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3818984>

Oct 27, 2013 · Results. The **expression** level of **Notch-1** protein in LAD cell lines or tissues was significantly lower than that in normal human bronchial epithelial cell line (16HBE) or nontumor tissues ($P < 0.05$). By statistical analyses, it was observed that negative **Notch-1 expression** was significantly associated with advanced clinical stage ($P = 0.001$) and lymph node metastasis ($P = 0.026$) in LAD ...

Cited by: 19 **Author:** Jiayuan Huang, Haizhu Song, Biao Liu, B...

Publish Year: 2013

Notch Signaling Components - PubMed Central (PMC)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4902431>

The released NICD then moves to the nucleus and initiates transcription of **Notch** downstream targets. 9–11 Alteration of **Notch** signaling is implicated in the genesis of several human solid **tumors**, 12,13 for example, liver cancer, 14,15 breast cancer, 16 and lung cancer. 17,18 Unsurprisingly, **notch** signaling has become a major potential ...

Cited by: 6 **Author:** Zhi-Yan Liu, Tao Wu, Qing Li, Min-Cong ...

Publish Year: 2016

Distinct expression profiles of Notch-1 protein in human ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2898104>

Unlike breast **tumors**, the overall **expression of Notch-1** protein was significantly higher in **colorectal** adenocarcinoma as compared to the normal **colorectal** epithelial cells ($P = 0.0005$). Noticeably, there were 61 (12%) of **colorectal** adenocarcinoma versus 6 (3%) of normal colorectum with moderate to strong **expression of Notch-1** protein (Table 1).

Cited by: 18 **Author:** Yuan Li, Janine A Burns, Carol A Cheney,...

Publish Year: 2010

Notch1 Expression in Colorectal Carcinoma Determines Tumor