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Clinical and Translational Research

**Overexpression of AMPD2 is poor prognosis for colorectal cancer patients
via Notch3 signaling pathway**

Gao QZ *et al.* AMPD2 with poor prognostic of CRC patients

Qi-Zhong Gao, Yan Qin, Wei-Jia Wang, Bo-Jian Fei, Wei-Feng Han,
Jian-Qiang Jin, Xiang Gao

Match Overview



1	Crossref 90 words Fang Wang, Jingyi Wu, Zhichao Qiu, Xiaosong Ge et al. "AC... OT1 expression is associated with poor prognosis in gastric	3%
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Notch-induced transcription factors are predictive of ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3749585>

Aug 20, 2013 · The purpose of this study was to evaluate the expression of **Notch-induced transcription factors (NTFs)** HEY1, HES1 and SOX9 in **colorectal cancer (CRC)** patients to determine their clinicopathologic and **prognostic** significance.

Cited by: 27

Author: P. A. Candy, M. R. Phillips, Andrew D Redfer...

Publish Year: 2013

International Journal of Cancer: Vol 144, No 4

<https://onlinelibrary.wiley.com/toc/10970215/2019/144/4>

Patients with poor outcome were found to express intratumorally high levels of adenosine monophosphate deaminase 2 (**AMPD2**), an enzyme involved in purine metabolism. Analyses revealed correlations between **AMPD2 overexpression** and copy number variations identified in UPS cohorts. **AMPD2 overexpression** was further associated with UPS tumor growth.

Role of Notch signaling pathway in gastric cancer pathogenesis

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3685346>

In westernized countries, a large number of **gastric cancer patients** are diagnosed when the **tumor** is at an unresectable stage. Currently, the only solution for these patients is **systemic chemotherapy** which prolongs survival without quality of life compromise.

Cited by: 19

Author: Marlena Brzozowa, Łukasz Mielańczyk, Ma...

Publish Year: 2013

Overexpression of miR-206 in osteosarcoma and its ...

<https://www.spandidos-publications.com/10.3892/ol.2020.11270>

The effect of the genes on the **prognosis** of **patients** with OS was evaluated and key genes that influence OS **prognosis** were screened. ... **signaling pathway** is one of the major **signaling** pathways ... Fry AM, Moreman C, McGregor A, Garcea G, Berry DP and Manson MM: **Overexpression** of the Nek2 kinase in **colorectal cancer** correlates with beta-catenin ...

Author: Xiongfeng Xu, Bo Qiu, Peng Yi, Huajie Li

Publish Year: 2020

Notch-induced transcription factors are predictive of ...

<https://www.nature.com/articles/bjc2013431>

Jul 30, 2013 · HEY1 **overexpression** was a **negative prognostic factor** for all **CRC patients** (HR=1.29, P=0.023) and strongly correlated with **perineural and vascular invasion and lymph node (LN)** metastasis.

Cited by: 27

Author: P. A. Candy, M. R. Phillips, Andrew D Redfer...

Publish Year: 2013

Cancer Medicine: Vol 8, No 2 - Wiley Online Library

<https://onlinelibrary.wiley.com/toc/20457634/2019/8/2>

Serum HER-2 ECD shedding is correlated to **ADAM10 overexpression**. **Serum** HER-2 ECD could be a biomarker to identify the subgroup of poorer outcome among HER-2 **overexpression breast cancer patients**. **Inhibition of ADAM10 activity** may have potential therapeutic benefit for this most **aggressive tumor** subgroup.

Nuclear Notch3 Expression is Associated with Tumor ...

<https://www.researchgate.net/publication/261609856...>

Besides, **Notch2 and Jagged1 expression levels correlate** with survival of **colorectal cancer patients** (7), and **nuclear expression** of Notch1 and Notch3 is also found to be associated with **tumor** ...

Notch and its oncogenic activity in human malignancies ...

<https://link.springer.com/article/10.1007/s10353-017-0491-z>

Sep 18, 2017 · Increasing evidence has demonstrated that Notch **signaling** is deregulated in human hematological malignancies and solid tumors. This **signaling** has a protumorigenic effect but may also act as a tumor suppressor. How induction of a single **pathway** gives rise to the opposite effects in different cell types is still unknown. This review article includes available data from peer-reviewed ...

Cited by: 13

Author: Marlena Brzozowa-Zasada, Adam Piecuch,...

Publish Year: 2017

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Overexpression of AMPD2 is poor prognosis for colorectal cancer



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Overexpression of Notch3 and pS6 Is Associated with Poor ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4944072>

The **Notch signaling cascade** is critical for cell proliferation, differentiation, development, and homeostasis , and deregulated **Notch signaling** is found in various diseases (e.g., T-cell leukemia, **breast cancer**, **prostate cancer**, **colorectal cancer** and **lung cancer**, and central nervous system malignancies) . However, the mechanism of its regulation in **ovarian cancer** is unclear.

Cited by: 1

Author: Zhaoxia Liu, Rongna Yun, Xiaolin Yu, Hu...

Publish Year: 2016

The Role of Notch3 in Cancer - PubMed Central (PMC)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6156186>

Apr 05, 2018 · Additionally, high **Notch3** expression has been correlated with better overall survival for all **patients with ovarian cancer** except with those who had **serous cancer** , . **Colorectal Cancer Notch3** is commonly expressed at a significantly higher level in **colorectal cancer** (CRC) compared with normal tissue, with **poorly** differentiated tumors having higher expression levels ...

Cited by: 8

Author: Zviadi Aburjania, Samuel Jang, Jason ...

Publish Year: 2018

The Significance of Notch1 Compared with Notch3 in High ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3585338>

Aberrant **Notch3** expression has been reported in virtually all cases of T cell acute lymphoblastic leukemia (T-ALL), **colorectal cancer**, HCC, **lung cancer**, pancreatic **cancer**, and ovarian **cancer** –. However, the relationship among Notch1 or **Notch3**, clinicopathological manifestations and the **survival** rate in **patients** with HCC has not been explored.

Cited by: 62

Author: Liang Zhou, Ning Zhang, Wenjie Song, ...

Publish Year: 2013

Frequent Activation of Notch Signaling Pathway in ...

<https://www.hindawi.com/journals/ijo/2020/6768942> ▼



Overexpression of AMPD2 is poor prognosis for colorectal cancer patien



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[Overexpression of Notch3 and pS6 Is Associated with Poor ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4944072>

Notch3 and pS6 play important roles in tumor angiogenesis. To assess the expression of **Notch3** and pS6 in Chinese ovarian epithelial **cancer patients**, a ten-year follow-up study was performed in ovarian epithelial **cancer** tissues from 120 specimens of human ovarian epithelial **cancer**, 30 specimens from benign ovarian tumors, and 30 samples from healthy ovaries by immunohistochemistry.

Cited by: 2

Author: Zhaoxia Liu, Rongna Yun, Xiaolin Yu, Hui...

Publish Year: 2016

[The Role of Notch3 in Cancer - PubMed Central \(PMC\)](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6156186>

Apr 05, 2018 · Additionally, high **Notch3** expression has been correlated with better overall **survival** for all **patients** with ovarian **cancer** except with those who had serous **cancer** , . **Colorectal Cancer Notch3** is commonly expressed at a significantly higher level in **colorectal cancer** (CRC) compared with normal tissue, with poorly differentiated tumors having ...

Cited by: 9

Author: Zviadi Aburjania, Samuel Jang, Jason W...

Publish Year: 2018

[The Carcinogenic Role of the Notch Signaling Pathway in ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6485212>

The marker of biliary epithelial cells Sox9 is regulated by Notch **signaling**. **Overexpression** of Sox9 was correlated with lower 5-year disease-free **survival** and lower 5-year overall **survival**. Therefore, high levels of Sox9 was an independent factor for **poor prognosis** of HCC **patients** 94. According to extensive studies, the **prognosis** of HCC ...

Cited by: 7

Author: Qinfeng Huang, Junhong Li, Jinghui Zhen...

Publish Year: 2019

[Overexpression of HES6 has prognostic value and promotes ...](#)

<https://europepmc.org/article/MED/30015909>