

Match Overview

1	Crossref 103 words Gao, Fei, Bin Zhou, Jun-Chi Xu, Xin Gao, Shu-Xiang Li, Geng-Chao Zhu, Xue Guang Zhang, and Chen Yang. "The r	3%
2	Internet 90 words crawled on 16-Feb-2020 www.oncotarget.com	3%
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4	Crossref 57 words Elham Kalantari, Mohammad Hossein Asadi Lari, Raheleh Roudi, Alireza Korourian, Zahra Madjd. "Lgr5High/DCLK1H	2%
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Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 57689

Manuscript Type: ORIGINAL ARTICLE

Retrospective Cohort Study

Role of DCLK1 and Lgr5 in patients with stage II/III colorectal cancer: Cancer progression and prognosis

Abstract

BACKGROUND

Cancer stem cells (CSCs) are a subpopulation of cancer cells with the potential for self-renewal and differentiation. CSCs play critical roles in tumorigenesis, recurrence, metastasis, radiation tolerance and chemoresistance.

AIM

To assess the expression patterns and clinical potential of doublecortin-like kinase 1 (DCLK1) and leucine rich repeat-containing G-protein-coupled receptor 5 (Lgr5) as



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DCLK1 Plays a Metastatic-Promoting Role in Human Breast ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6541964>

For example, Gao et al. reported that **DCLK1** was upregulated in human **colorectal cancer** and correlated with metastasis and advanced TNM **stage**. Weygant et al. showed that **DCLK1** was overexpressed in **stage II-III** RCCs, compared with normal kidney and **stage I** tumors, and could predict survival and recurrence of RCC.

Cited by: 3

Author: Heshu Liu, Tao Wen, Ying Zhou, Xiaona Fan...

Publish Year: 2019

Upregulation of circulating cancer stem cell marker, DCLK1 ...

<https://www.ncbi.nlm.nih.gov/pubmed/25631749>

The expression level of **Lgr5** was significantly higher in **colorectal cancer (CRC) patients** comparing to healthy group (4.8-fold change, $p < 0.001$). Also there was a significant increase in expression level of **Lgr5 in patients** at **stages III** and **IV** comparing to **stages I** and **II** ...

Cited by: 21

Author: Alireza Mirzaei, Gholamreza Tavoosidana, ...

Publish Year: 2015

Dclk1, a tumor stem cell marker ... - Molecular Cancer

<https://molecular-cancer.biomedcentral.com/...> ▾

Feb 01, 2017 · **DCLK1** is correlated with pro-survival signaling in colon adenocarcinoma. Mutation and/or loss of function of APC is the cause of more than 80% of colon cancers. **DCLK1** + tumor stem cells are vital to the development and **progression** of colon **cancer** in Apc Min/+ mice models. Indeed, the **DCLK1** signature in APC mutant colon **cancer** predicts recurrence-free-survival (Additional file 1: Figure S1).

Cited by: 27

Author: Parthasarathy Chandrakesan, Jiannan Yao,...

Publish Year: 2017

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[Doublecortin-like kinase 1 exhibits cancer stem cell-like ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3626979>

Feb 24, 2013 · Introduction. **Colorectal cancer** is the third most common **cancer** diagnosed and the third leading cause of **cancer**-related deaths in both men and women in the United States (). In the last 20 years, progress in the treatment of colon **cancer** has improved the quality of life of **patients** through the use of innovative minimally invasive surgical techniques and multimodality treatments ().

Cited by: 18**Author:** Lianna Li, Charles F. Bellows**Publish Year:** 2013

[Doublecortin-Like Kinase 1 Increases Chemoresistance of ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6671676>

May R, Sureban SM, Hoang N, Riehl TE, Lightfoot SA, et al. (2009) Doublecortin and CaM **kinase-like-1 and leucine-rich-repeat-containing G-protein-coupled receptor** mark quiescent and cycling intestinal stem cells, respectively. *Stem Cell* 27: 2571–2579. [PubMed] [PMC free article] [Google Scholar]

Cited by: 3**Author:** Lianna Li, Kierra Jones, Hao Mei**Publish Year:** 2019

[Doublecortin and CaM Kinase-like-1 and Leucine-Rich-Repeat ...](#)

<https://www.researchgate.net/publication/26737445...>

Doublecortin and CaM **Kinase-like-1 and Leucine-Rich-Repeat-Containing G-Protein-Coupled Receptor** Mark Quiescent and Cycling Intestinal Stem Cells, ...

[Clinicopathologic and prognostic significance of LGR5, a ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7000925>

Univariate survival analysis of the entire cohort of **patients** with **colorectal cancer** as a function of **Leucine-rich repeat-containing G-protein-coupled receptor 5**. LGR5's prognostic significance was more pronounced in **stage II CRC patients** than in **stage I, III or IV** (Figure 2 b).

Cited by: 4**Author:** Chukwuemeka Ihemelandu, Chukwueme...