

36

Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 45788

Manuscript Type: ORIGINAL ARTICLE

### Basic Study

**Predictive and prognostic implications of the autophagy-related proteins 4E-binding protein 1, Beclin-1 and microtubule-associated protein 1A/B-light chain 3 for cetuximab treatment combined with chemotherapy in advanced colorectal cancer with wild-type KRAS: Analysis from real-world data**

Guo GF *et al.* Predictors for cetuximab in CRC

Gui-Fang Guo, Yi-Xing Wang, Yi-Jun Zhang, Xiu-Xing Chen, Jia-Bin Lu, Hao-Hua Wang, Chang Jiang, Hui-Quan Qiu, Liang-Ping Xia

### Abstract

#### BACKGROUND

Colorectal cancer (CRC) is one of the main causes of cancer-related deaths in China and around the world. Advanced CRC (ACRC) patients suffer from low cure rate though treated with targeted therapies. The response rate is about 50% to chemotherapy and cetuximab, targeting epidermal growth factor receptor (EGFR) and used for ACRC with wild-type KRAS. It is important to identify more predictors for cetuximab to further improve precise treatment. Autophagy, showing a key role in the cancer progression,

### Match Overview

Match Number	Source	Words	Percentage
1	Internet crawled on 28-Feb-2019 <a href="http://www.wjnet.com">www.wjnet.com</a>	228 words	4%
2	Internet crawled on 27-Dec-2016 <a href="http://office.wjnet.com">office.wjnet.com</a>	142 words	2%
3	Internet crawled on 05-Apr-2018 <a href="http://www.spandidos-publications.com">www.spandidos-publications.com</a>	107 words	2%
4	Internet crawled on 06-Nov-2017 <a href="http://dugi-doc.udg.edu">dugi-doc.udg.edu</a>	105 words	2%
5	Internet crawled on 01-Nov-2018 <a href="http://www.oncotarget.com">www.oncotarget.com</a>	75 words	1%
6	Internet crawled on 28-Mar-2015 <a href="http://www.ncbi.nlm.nih.gov">www.ncbi.nlm.nih.gov</a>	73 words	1%
7	Crossref Sayo Suzuki. "S100A10 protein expression is associated ... with oxaliplatin sensitivity in human colorectal cancer cells"	66 words	1%
8	Internet crawled on 09-Jun-2017 <a href="http://www.mdpi.com">www.mdpi.com</a>	60 words	1%
9	Crossref <i>Advances in Experimental Medicine and Biology</i> , 2014.	50 words	1%

[全部](#)[新闻](#)[图片](#)[购物](#)[地图](#)[更多](#)[设置](#)[工具](#)

找到约 5,650 条结果 (用时 0.71 秒)

### Autophagy-related proteins Beclin-1 and LC3 predict cetuximab ...

<https://www.ncbi.nlm.nih.gov/pubmed/22147978>  [翻译此页](#)作者: GF Guo - 2011 - 被引用次数: 64 - [相关文章](#)

1. *World J Gastroenterol.* 2011 Nov 21;17(43):4779-86. doi: ... **proteins Beclin-1 and LC3** predict **cetuximab** efficacy in **advanced colorectal cancer**. ... AIM: To investigate the utility of **Beclin-1** and **LC3**, two **autophagy-related proteins**, in **predicting** the ... Patients with **wild-type KRAS** had higher ORRs (42.3% vs 9.1%, ...

### Prognostic impact of Beclin 1, p62/sequestosome 1 and LC3 protein ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3571991/>  [翻译此页](#)作者: JM Park - 2013 - 被引用次数: 77 - [相关文章](#)

In **colon cancer** cell lines, we found that knockdown of **Beclin 1** or **LC3** by .... Furthermore, **data** for the **prognostic impact** of **LC3** and p62 are essentially lacking. ... In contrast to **Beclin 1**, the other key **autophagy-related proteins**, i.e., p62 and **LC3** .... collapsed the **4** categories into 2 groups for **analysis** with the immunopercen ...

### (PDF) Autophagy Enhances the Aggressiveness of Human Colorectal ...

...

[https://www.researchgate.net/.../236925634\\_Autophagy\\_Enhances\\_the\\_Agg...](https://www.researchgate.net/.../236925634_Autophagy_Enhances_the_Agg...) - [翻译此页](#)

2018年8月1日 - LC3B **protein** was detected in human **colorectal cancer** tissues by .... cells **combined** with the knockdown of all three LC3B ... Received April 4, 2012; accepted June 18, 2012. ... KEY WORDS: **autophagy**, apoptosis, colorectal neoplasms, LC3B, ..... **Beclin-1** and **LC3** predict **cetuximab** efficacy in **advanced**.

### The predictive and prognostic implications ...的图片搜索结果





全部

新闻

图片

购物

地图

更多

设置

工具

找到约 2,270 条结果 (用时 0.71 秒)

"world" (及之后的字词)均被忽略, 因为 Google 的查询限制在 32 个词以内。

### Autophagy-related proteins Beclin-1 and LC3 predict cetuximab ...

<https://www.ncbi.nlm.nih.gov/pubmed/22147978> ▾ 翻译此页

作者: GF Guo - 2011 - 被引用次数: 62 - 相关文章

2011年11月21日 - Guo GF(1), Jiang WQ, Zhang B, Cai YC, Xu RH, Chen XX, Wang F, Xia LP. ... proteins, in predicting the cetuximab efficacy in advanced colorectal cancer (ACRC). ... and 40 cases treated with non-cetuximab-containing chemotherapy. ... Patients with wild-type KRAS had higher ORRs (42.3% vs 9.1%, ...

### Autophagy-related proteins Beclin-1 and LC3 predict cetuximab ...

[https://www.researchgate.net/.../51858674\\_Autophagy-related\\_proteins\\_Becl...](https://www.researchgate.net/.../51858674_Autophagy-related_proteins_Becl...) - 翻译此页

To investigate the utility of Beclin-1 and LC3, two autophagy-related proteins, in predicting the cetuximab efficacy in advanced colorectal cancer (ACRC). ... Patients with wild-type KRAS had higher ORRs (42.3% vs 9.1%, P = 0.049) and disease ..... Role of autophagy-related protein expression in patients with rectal cancer ...

### New frontiers in the treatment of colorectal cancer: Autophagy and the ...

<https://www.tandfonline.com/doi/full/10.1080/15548627.2017.1290751>

作者: P Mokarram - 2017 - 被引用次数: 32 - 相关文章

2017年3月30日 - Macroautophagy/autophagy and the unfolded protein response (UPR) are fundamental ... KEYWORDS: autophagy, Beclin 1, cancer therapy, colorectal cancer, ..... Patients with KRAS, BRAF, and NRAS wild-type (WT) CRC show ... Chemotherapeutic regimens (combination therapy) and their effect in CRC.

### Cancer Science - Wiley Online Library

[https://onlinelibrary.wiley.com/page/journal/13497006/.../virtual\\_issues.html](https://onlinelibrary.wiley.com/page/journal/13497006/.../virtual_issues.html) - 翻译此页

T cell receptor  $\beta$ -chain repertoire analysis of tumor-infiltrating lymphocytes in pancreatic ... MFG-E8 expression by esophageal cancer treated with chemotherapy ... Combined adjuvants of poly(I:C) plus LAG-3-Ig improve antitumor effects of ... Role of inhibitor of yes-associated protein 1 in triple- negative breast cancer with



找到约 2,510 条结果 (用时 0.73 秒)

"world" (及之后的字词)均被忽略, 因为 Google 的查询限制在 32 个词以内。

### Autophagy-related proteins Beclin-1 and LC3 predict cetuximab ...

<https://www.ncbi.nlm.nih.gov/pubmed/22147978>  翻译此页

作者: GF Guo - 2011 - 被引用次数: 62 - 相关文章

2011年11月21日 - Guo GF(1), Jiang WQ, Zhang B, Cai YC, Xu RH, Chen XX, Wang F, Xia LP. ... proteins, in predicting the cetuximab efficacy in advanced colorectal cancer (ACRC). ... and 40 cases treated with non-cetuximab-containing chemotherapy. ... Patients with wild-type KRAS had higher ORRs (42.3% vs 9.1%, ...

### Autophagy-related proteins Beclin-1 and LC3 predict cetuximab ...

[https://www.researchgate.net/.../51858674\\_Autophagy-related\\_proteins\\_Becl...](https://www.researchgate.net/.../51858674_Autophagy-related_proteins_Becl...) - 翻译此页

To investigate the utility of Beclin-1 and LC3, two autophagy-related proteins, in predicting the cetuximab efficacy in advanced colorectal cancer (ACRC). ... Patients with wild-type KRAS had higher ORRs (42.3% vs 9.1%, P = 0.049) and disease ..... Role of autophagy-related protein expression in patients with rectal cancer ...

### Cancer Science - Wiley Online Library

[https://onlinelibrary.wiley.com/page/journal/13497006/.../virtual\\_issues.html](https://onlinelibrary.wiley.com/page/journal/13497006/.../virtual_issues.html) - 翻译此页

T cell receptor  $\beta$ -chain repertoire analysis of tumor-infiltrating lymphocytes in pancreatic cancer ... abundant MFG-E8 expression by esophageal cancer treated with chemotherapy ... PD-1+ TIM-3+ T cells in malignant ascites predict prognosis of .... Role of inhibitor of  $\gamma$ -associated protein 1 in triple-negative breast cancer ...

### New frontiers in the treatment of colorectal cancer: Autophagy and the ...

<https://www.tandfonline.com/doi/full/10.1080/15548627.2017.1290751>

作者: P Mokarram - 2017 - 被引用次数: 32 - 相关文章

2017年3月30日 - Macroautophagy/autophagy and the unfolded protein response (UPR) are fundamental ... KEYWORDS: autophagy, Beclin 1, cancer therapy, colorectal cancer, ..... Patients