

**Name of Journal:** *World Journal of Gastroenterology*

**Manuscript NO:** 61129

**Manuscript Type:** ORIGINAL ARTICLE

*Basic Study*

**Depletion of MRPL35 inhibits the proliferation of gastric carcinoma by regulating downstream signaling protein**

MRPL35-depleted inhibits gastric carcinoma proliferatio

**Abstract**

BACKGROUND

Gastric carcinoma (GC) is a digestive system disease with high morbidity and mortality. However, early clinical detection is difficult, and the treatment effect of advanced disease is not satisfactory. Thus, finding new tumor markers and therapeutic targets conducive to the treatment of GC is imperative. MRPL35 is a member of the large subunit family of mitochondrial ribosomal protein. MRPL35 shows the characteristic of

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Introduction. **Gastric cancer** (GC) is the third leading cause of **cancer**-related death (after lung and colorectal **cancer**) worldwide and is the most common and fast-growing malignancy of the digestive system with a high mortality (1,2). It is estimated that >1,000,000 new cases of GC were diagnosed (5.7% of the overall **cancer** incidence) and 800,000 deaths occurred (8.2% of all **cancer** mortalities ...

**Author:** Miaomiao Zeng, Bangxue Li, Lei Yang, ...      **Publish Year:** 2020

## Downregulation of SDCBP inhibits cell proliferation and ...

<https://pubmed.ncbi.nlm.nih.gov/33432665>

Syndecan-binding **protein** (SDCBP) has been reported to critically process a core role in tumorigenesis. The aim of this study was conducted to characterize a novel regulatory network of SDCBP in **gastric carcinoma** (GC) cells. Our findings indicated that overexpression of SDCBP promoted **the proliferation** of GC cell and increased PCNA expression.

**Author:** Bo Qian, Zhiheng Yao, Yang Yang, Na Li, ...      **Publish Year:** 2021

## Carnosine Inhibits the Proliferation of Human Gastric ...

<https://www.jcancer.org/v05p0382.htm> ▾

Preclinical data suggested that suppression of mTOR pathway **inhibited the proliferation of gastric cancer** cells and delayed **tumor** progression in in vitro and animal models 16. For its antiproliferative effects, rapamycin has the role in treating cancer.

## Downregulation of SDCBP inhibits cell proliferation and ...

<https://iubmb.onlinelibrary.wiley.com/doi/10.1002/bab.2103>

Jan 12, 2021 · Downregulation of SDCBP **inhibits** cell **proliferation** and induces apoptosis **by** **reaulatina**

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### The m6A methyltransferase METTL14 inhibits the ...

<https://onlinelibrary.wiley.com/doi/10.1002/jcla.23655?af=R>

Abstract Background N6-methyladenosine (m6A) modification may participate in the regulation of occurrence and development of tumors. However, the m6A level ...

### XEDAR inhibits the proliferation and induces apoptosis of ...

<https://pubmed.ncbi.nlm.nih.gov/31829409>

XEDAR moreover inhibited **proliferation** and induced apoptosis in **gastric cancer** cells by **regulating** the JNK **signaling** pathway. Collectively, the results of the present study suggested that XEDAR **inhibits** cell **proliferation** and induces apoptosis by participating in p53-mediated **signaling** pathway and inhibiting the **downstream** JNK **signaling** pathway ...

**Author:** Lihong Yang, Xiaojun Huang, Wei Wang,... **Publish Year:** 2019

### Carnosine Inhibits the Proliferation of Human Gastric ...

<https://www.jcancer.org/v05p0382.htm> ▾

The results showed that treatment with carnosine led to **proliferation** inhibition, cell cycle arrest in the G0/G1 phase, apoptosis increase, and inhibition of mTOR **signaling** activation by decreasing the phosphorylation of Akt, mTOR and p70S6K, suggesting that **proliferation** inhibition of carnosine in human **gastric carcinoma** was through the inhibition of Akt/mTOR/p70S6K pathway, and carnosine would be a ...

### Downregulation of SDCBP inhibits cell proliferation and ...

<https://iubmb.onlinelibrary.wiley.com/doi/10.1002/bab.2103>

Jan 12, 2021 · Downregulation of SDCBP **inhibits** cell **proliferation** and induces apoptosis by **regulating** PI3K/AKT/mTOR pathway in **gastric carcinoma**. Bo Qian. Corresponding Author. ... which was regulated by PI3K/AKT/mTOR **signaling** pathway. And it was further determined that PI3K inhibitor LY294002, AKT inhibitor Torin1, and mTOR inhibitor MK-2206 suppressed ...

**Author:** Bo Qian, Zhiheng Yao, Yang Yang, Na Li,... **Publish Year:** 2021

### WIPI2 depletion inhibits the growth of hepatocellular ...

<https://www.spandidos-publications.com/10.3892/or.2020.7531> ▾

**Depletion** of WIPI2 **inhibits** cell **proliferation** through the AMPK **signaling** pathway To uncover the mechanism underlying the WIPI2-induced **proliferation** and apoptosis, we conducted a microarray analysis to identify differentially expressed genes upon WIPI2 **depletion** using Hep3B/KD and Hep3B/NC