

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

**Manuscript NO:** 50829

**Manuscript Type:** ORIGINAL ARTICLE

***Basic Study***

**Aberrant methylation of SPARC gene and its significance in Gastric Cancer**

Shao S *et al.* **Anti-oncogene** role of SPARC in GC

Shuai Shao, Nuo-Ming Zhou, Dong-Qiu Dai

**Abstract**

Match Overview

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Knockdown of lncRNAXLOC\_001659 inhibited proliferation an



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## miR-133b inhibits cell proliferation, migration and ...

<https://www.sciencedirect.com/science/article/pii/S0753332218347401>

The migration, proliferation and invasion of ESCC cells were **inhibited** after overexpression of **miR-133b** or **knockdown** of **EGFR**, which indicated that **miR-133b** might act as a **tumor inhibitor** in ESCC. However, the further mechanism in ESCC remains unknown.

Cited by: 2

Author: Wei Zeng, Wei Zeng, Jin-Feng Zhu, Jun-Y...

Publish Year: 2019

## Knockdown of TMEM16A suppressed MAPK and inhibited ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4716773>

Thus, the development of **small-molecule inhibitors** against TMEM16A should be useful for treatment of **human hepatocellular carcinoma**. Our results have shown that TMEM16A was overexpressed in **hepatocellular carcinoma**, and that **knockdown** of TMEM16A **suppressed MAPK and inhibited cell proliferation and migration in hepatocellular carcinoma**.

Cited by: 12

Author: Liang Deng, Jihong Yang, Hongwu Chen, ...

Publish Year: 2016

## Silencing of Rab3D suppresses the proliferation and ...

<https://www.sciencedirect.com/science/article/pii/S0753332217301294>

Rab3D is a member of the ras-related GTP-binding **protein Rab** family and was found up-regulated in several types of **cancer**. However, little is known about the role of Rab3D in **carcinogenesis and progression of esophageal squamous cell carcinoma** (ESCC).

Cited by: 2

Author: Jin Zhang, Ranran Kong, Liangzhang Sun

Publish Year: 2017

## [PDF] Esophageal squamous cell carcinoma invasion is ...

<https://bmccancer.biomedcentral.com/track/pdf/10.1186/s12885-016-2920-y>

**Esophageal squamous cell carcinoma invasion** is **inhibited** by Activin A in ACVR1B-positive cells Holli





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65,500 Results

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### [Aberrant methylation of the SPARC gene promoter and its ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4268651>

In this study, **SPARC expression** was lost in association with the **aberrant DNA methylation in SPARC gene** in most **gastric cell lines** and **surgical gastric cancer samples**, and the **loss of SPARC expression** could be rescued in **gastric cancer cell lines** upon treatment with the demethylating agent 5-Aza-Cdr. **Methylation** of specific CpG sites in **SPARC gene** was consistently detected in **gastric cancer cell lines** ...

Cited by: 14

Author: Zi-Yi Chen, Jun-Ling Zhang, Hong-Xin Yao, ...

Publish Year: 2015

### [Aberrant methylation of the SPARC gene promoter and its ...](#)

[https://www.researchgate.net/publication/269772967\\_Aberrant\\_methylation\\_of\\_the\\_SPARC...](https://www.researchgate.net/publication/269772967_Aberrant_methylation_of_the_SPARC...)

(PDF) **Aberrant methylation of the SPARC gene promoter and its clinical implication in gastric cancer** PDF | **Secreted protein acidic and rich in cysteine (SPARC) gene** has been shown to be...

### [\[PDF\] promoter and its clinical implication in gastric cancer](#)

[https://www.researchgate.net/publication/269772967\\_Aberrant\\_methylation\\_of\\_the\\_SPARC...](https://www.researchgate.net/publication/269772967_Aberrant_methylation_of_the_SPARC...)

implicate **SPARCpromoter methylation** as an important factor in the **tumorigenesis** of **gastric carcinomas** and provide new insights into the **potential** use of **SPARC** as a novel biomarker and the **potential**...

### [Aberrant methylation of the SPARC gene promoter and its ...](#)

[adsabs.harvard.edu/abs/2014NatSR...4E7035C](https://adsabs.harvard.edu/abs/2014NatSR...4E7035C)

**Methylation rate** of **SPARC gene** was 80% in ten **gastric cancer cell lines** and 74% (163 of 220) in primary tumors, while it was 5% in **normal gastric mucosa** (n = 40). In **intestinal gastric cancer**, **SPARC methylation correlated with a negative prognosis** (P < 0.001; relative risk ...

### [Gene silencing of TSPYL5 mediated by aberrant promoter ...](#)

<https://www.nature.com/articles/3700706>

Dec 03, 2007 · Silencing of **tumor suppressor genes** by **aberrant methylation** at CpG islands plays a crucial role in the development of various **cancers**. Many **genes** ...

Cited by: 30

Author: Yeonjoo Jung, Jinah Park, Yung Jue Bang, ...

Publish Year: 2008

Author: Yeonjoo Jung

### [Aberrant DNA methylation of tumor-related genes in oral ...](#)

[onlinelibrary.wiley.com/doi/10.1002/cncr.27417/full](https://onlinelibrary.wiley.com/doi/10.1002/cncr.27417/full)

Sep 01, 2012 · Detection of **aberrant methylation** of ECAD, MGMT, DAPK, RAR $\beta$ , FHIT, p16, p15, TIMP3,