

Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 58405

Manuscript Type: ORIGINAL ARTICLE

Basic Study

Blockage of ETS homologous factor inhibits the proliferation and invasion of gastric cancer cells through c-Met pathway

Meng-Li Gu, Xin-Xin Zhou, Meng-Ting Ren, Ke-Da Shi, Mo-Sang Yu, Wen-Rui Jiao, Ya-Mei Wang, Wei-Xiang Zhong, Feng Ji

Abstract

BACKGROUND

Gastric cancer (GC) is one of the most common and deadliest types of cancer worldwide due to its delayed diagnosis and high metastatic frequency, and its exact pathogenesis

has not been fully elucidated. ETS homologous factor (EHF) is an important member of

Match Overview

| | | |
|---|--|-----|
| 1 | Internet 29 words crawled on 18-Jun-2020 tessera.spandidos-publications.com | 1% |
| 2 | Internet 18 words crawled on 16-Dec-2019 jeccr.biomedcentral.com | <1% |
| 3 | Internet 16 words crawled on 17-Jan-2020 www.dovepress.com | <1% |
| 4 | Internet 15 words crawled on 02-Nov-2019 www.wjgnet.com | <1% |

Blockage of ETS homologous factor inhibits the proliferation and i



ALL

IMAGES

VIDEOS

56,000 Results

Any time ▾

Knockdown of EHF inhibited the proliferation, invasion and ...

https://www.researchgate.net/publication/280874038_Knockdown_of_EHF_inhibited_the...

Depletion of KRT16 led to increased **protein degradation** of β 5-integrin and c-Met through a **lysosomal pathway** leading to **inhibition** of their downstream Src/STAT3/FAK/ERK **signaling** ...

LINC00857 knockdown inhibits cell proliferation and ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6535059>

May 15, 2019 · The cell **proliferation** and colony formation were decreased after knockdown of LINC00857 in EAC. LINC00857 was reported to play an oncogenic role in lung **cancer**. To test if LINC00857 was functionally involved in EAC, we measured cell **proliferation** and colony formation followed by LINC00857 knockdown with siRNAs in 3 EAC cell lines, OE19, OE33 and FLO1. QRT ...

Cited by: 3

Author: Wenmei Su, Lihui Wang, Feiyu Niu, Lei ...

Publish Year: 2019

ETS transcription factors and their emerging roles in ...

<https://www.sciencedirect.com/science/article/pii/S0959804905007148>

Nov 01, 2005 · **Ets factors** are associated with cellular transformation and **cancer progression** through regulation of target genes that **control migration** and **invasion**, metastasis, escape from senescence and apoptosis and angiogenesis. Thus, **ETS factors** and/or the genetic pathways that they regulate could be targets for **cancer therapy**.

Cited by: 529

Author: Arun Seth, Arun Seth, Dennis K. Watson

Publish Year: 2005

Overexpression of E74-Like Factor 5 (ELF5) Inhibits ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6364457>

ELF5 **inhibits the proliferation** of **cancer cells** by inducing apoptosis [25,26]. Therefore, most **cancer** therapeutic drugs function via the apoptotic pathway. Apoptotic proteins such as cleaved caspase-3, Bax, and Bcl-2 play important roles in the apoptotic pathway . We found that the



ALL

IMAGES

VIDEOS

12,400 Results

Any time ▾

[An overview of the c-MET signaling pathway](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/pmid/22128289>

The HGF/c-MET pathway comprises a complex and unique signaling network and plays a pivotal role in both normal development and cancer progression. c-MET controls multiple biological functions, including proliferation, survival, motility and invasion, which, when dysregulated by aberrant c-MET activation, can lead to both tumor growth and ...

Cited by: 525

Author: Shawna Leslie Organ, Ming-Sound Tsao

Publish Year: 2011

[MicroRNA-4316 inhibits gastric cancer proliferation and ...](#)

<https://cancerbiomedcentral.com/articles/10.1186/s12935-020-1132-3> ▾

Feb 22, 2020 · microRNAs (miRNAs) have been reported to regulate proliferation and migration by down-regulating the expression of target genes. The aims of this study were to investigate whether miR-4316 inhibited proliferation and migration by downregulating vascular endothelial growth factor A (VEGF-A) and its clinical significance in gastric cancer (GC).

Cited by: 3

Author: Haithm Mousa, Menglang Yuan, Xinsheng ...

Publish Year: 2020

[Crosstalk Mechanisms Between HGF/c-Met Axis and ncRNAs in ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7004951>

MiR-198 bound to the 3' UTR of c-Met mRNA and blocked p44/42 MAPK activity through HGF/c-Met pathway, leading to the inhibition to migration and invasion of HCC cells (Tan et al., 2011). Consistently, miR-148a was reported to impede EMT and metastasis by targeting HGF/Met/Snail signaling in HCC (Zhang et al., 2014).

Cited by: 2

Author: Xin Liu, Ranran Sun, Jianan Chen, Liwen Liu...

Publish Year: 2020

[ETS transcription factors and their emerging roles in ...](#)

<https://www.sciencedirect.com/science/article/pii/S0959804905007148>

Nov 01, 2005 · Ets factors are associated with cellular transformation and cancer progression through regulation of target genes that control migration and invasion, metastasis, escape from senescence and apoptosis and angiogenesis. Thus, ETS factors and/or the genetic pathways that they regulate could be targets for cancer therapy.

Cited by: 536

Author: Arun Seth, Arun Seth, Dennis K. Watson

Publish Year: 2005

[miR-206 inhibits cancer initiating cells by targeting EHF ...](#)

<https://www.spandidos-publications.com/or/38/3/1688> ▾

ALL

IMAGES

VIDEOS

MAPS

NEWS

SHOPPING

61,600 Results

Any time ▼

MiR-223 inhibits the proliferation, invasion and EMT of ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6962943>

For example, miR-223 expression is upregulated in **gastric cancer** and miRNA-223 promotes **gastric cancer invasion** and metastasis by targeting the tumor suppressor EPB41L3 . Zhang et al. reported that miR-223 also functions as an oncogene in human colorectal **cancer cells** [19].

Cited by: 1

Author: Lei Gao, Xingao Xiong

Publish Year: 2018

EHF promotes colorectal carcinoma progression by ...

<https://onlinelibrary.wiley.com/doi/10.1111/cas.14444>

ETS homologous factor (EHF) plays a critical function in epithelial cell differentiation and **proliferation**. However, the roles of EHF in **cancer** remain largely unknown. In the present study, we investigated the expression levels, precise function and mechanism of EHF in colorectal carcinoma (CRC).

Author: Lan Wang, Meiling Ai, Miaoting Nie, Li... Publish Year: 2020

MicroRNA-4316 inhibits gastric cancer proliferation and ...

<https://cancerbiomedcentral.com/articles/10.1186/s12935-020-1132-3> ▼

Feb 22, 2020 · microRNAs (miRNAs) have been reported to regulate **proliferation** and migration by down-regulating the expression of target genes. The aims of this study were to investigate whether miR-4316 inhibited **proliferation** and migration by downregulating vascular endothelial growth **factor A** (VEGF-A) and its clinical significance in **gastric cancer** (GC).

Cited by: 3

Author: Haithm Mousa, Menglang Yuan, Xinshen...

Publish Year: 2020

CBFβ/RUNX3-miR10b-TIAM1 molecular axis inhibits ...

<https://www.researchgate.net/publication/338608929...>

CBFβ/RUNX3-miR10b-TIAM1 molecular axis inhibits **proliferation**, **migration**, and invasion of gastric cancer cells

Increased HGF Expression Induces Resistance to c-MET ...

<https://www.researchgate.net/publication/320871903>