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Name of Journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 63410

Manuscript Type: ORIGINAL ARTICLE

Basic Study

Cryptotanshinone inhibits cytotoxin-associated gene A-induced proliferation and metastasis of gastric cancer and helicobacter pylori cytotoxin-associated gene A-positive strains caused mucosal erosions

the roles of Cryptotanshinone in CagA associated gastric cancer.

Zhangming Chen, Jie Hu, Yuanmin Xu, Wei He, Lei Meng, Ting Huang, Songcheng

Ying, Zhe Jiang, Aman Xu



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Pathobiology of Helicobacter pylori–Induced Gastric Cancer ...

[https://www.gastrojournal.org/article/S0016-5085\(15\)01312-8/fulltext](https://www.gastrojournal.org/article/S0016-5085(15)01312-8/fulltext)

Sep 15, 2015 · Colonization of the human stomach by *Helicobacter pylori* and its role in causing gastric cancer is one of the richest examples of a complex relationship among human cells, microbes, and their environment. It is also a puzzle of enormous medical importance given the incidence and lethality of gastric cancer worldwide. We review recent findings that have changed how we view these ...

Cited by: 386

Author: Manuel Amieva, Richard M. Peek

Publish Year: 2016

CagA protein of Helicobacter pylori: A hijacker of gastric ...

<https://www.researchgate.net/publication/6663408...>

Several investigations have reported an increased prevalence of CagA positive *H. pylori* in gastric cancer (Handa et al., 2007). Once *H. pylori* CagA is injected into gastric epithelial cells, it can ...

Effects of H pylori infection on gap-junctional ...

<https://www.researchgate.net/publication/5938232...>

Indeed, CagA-positive *H. pylori* can cause gastritis, an inflammatory reaction of the stomach lining, and thereby abolish GJIC in cultured human gastric epithelial cells (Tao et al., 2007; Xu et al ...

Pathobiology of Helicobacter pylori–Induced Gastric Cancer ...

<https://www.sciencedirect.com/science/article/pii/S0016508515013128>

Jan 01, 2016 · Infection with *Helicobacter pylori*, a bacterial carcinogen, is the greatest risk factor for gastric cancer—a disease that claims hundreds of thousands of lives per year. 1 Approximately 75% of the global gastric cancer burden and 5.5% of malignancies worldwide are attributable to *H. pylori*–induced inflammation and injury, 2 however, the precise mechanisms that regulate cancer ...

Cited by: 386

Author: Manuel Amieva, Richard M. Peek

Publish Year: 2016

Helicobacter pylori CagA inhibits the expression of Runx3 ...

<https://www.researchgate.net/publication/221768043...>

CagA-positive *Hp* infection or CagA transfection may induce p38 MAPK phosphorylation in gastric epithelial cells (Allison et al., 2009; Liu et al., 2012). In *Hp*-dependent gastric mucosa-associated ...



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[Helicobacter Pylori Cytotoxin-Associated Genotype and ...](#)

<https://pubmed.ncbi.nlm.nih.gov/17728213>

Background: Helicobacter pylori infection is associated with the **development of gastric cancer**. Although infection with an H. pylori strain containing the cytotoxin-associated (cag A) gene (a marker f...

Cited by: 129

Author: Martyn Plummer, Leen Jan van Doorn, Sil...

Publish Year: 2007

[PDF] [Helicobacter pylori cytotoxin-associated gene A \(CagA ...](#)

<https://www.pnas.org/content/pnas/108/22/9238.full.pdf>

island, cag, that encodes the effector protein cytotoxin-associated gene A (CagA) and a type four secretion system. After translocation into the host cell, CagA affects cell shape, increases cell mo-

Cited by: 205

Author: Ludovico Buti, Eric Spooner, Annemarle ...

Publish Year: 2011

[The relationship between gastric cancer and Helicobacter ...](#)

<https://pubmed.ncbi.nlm.nih.gov/33287914>

H. pylori infection is related to **gastric adenocarcinoma** and cagA genotype is believed to be related to **cancer development**. cytotoxin-associated gene A (CagA) is a 120-145kDa protein encoded on the...

Author: Huai Kun Ni, Lian Ming Liao, Ruo Lei ...

Publish Year: 2020

Stomach Cancer

Medical Condition

Stomach pain, bloating, persistent nausea and fatigue



A cancer that develops from the inner lining of the stomach. It causes bloating stomach pain, difficulty in swallowing, nausea, vomiting, fatigue and weight loss.

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Seroprevalence of cytotoxin-associated gene A positive ...

<https://onlinelibrary.wiley.com/doi/full/10.1046/j.1365-2036.1999.00619.x>

Dec 24, 2001 · Background: *Helicobacter pylori*, especially the CagA-positive strains, are closely associated with peptic ulcers and **gastric** cancers. We performed a large scale **gastric cancer** screening...

Cited by: 14

Author: B. C. Y. Wong, S. K. Lam, C. K. Ching, W. H. ...

Publish Year: 1999

Helicobacter pylori cag-Pathogenicity Island-Dependent ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2650263>

Mar 09, 2009 · Infection with *Helicobacter pylori*, carrying a functional cag type IV secretion system (cag-T4SS) to inject the **Cytotoxin associated** antigen (CagA) into **gastric** cells, is associated with an increase...

Cited by: 73

Author: Tobias Wiedemann, Eva Loell, Susanna Mu...

Publish Year: 2009

caga epiya tyrosine: Topics by Science.gov

<https://www.science.gov/topicpages/c/caga+epiya+tyrosine> ▾

May 25, 2018 · The bacterium *Helicobacter pylori* is associated with ulcers and the **development of gastric cancer**. Several **genes**, including **cytotoxin-associated gene A** (CagA) and vacuolating cytotoxin ...

[vaca caga icea: Topics by Science.gov](#)

May 16, 2018

[gastric anti-ulcer activity: Topics by Science.gov](#)

Jan 01, 2018

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Apr 01, 2017

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Clinical relevance of *Helicobacter pylori* vacA and cagA ...

<https://www.sciencedirect.com/science/article/pii/S1521691814001474>

Dec 01, 2014 · *Helicobacter pylori* infection is the major etiological factor of **gastric carcinoma**. This disease is the result of a long, multistep, and multifactorial process, which occurs only in a small...

Cited by: 61

Author: Rui M. Ferreira, José C. Machado, José C. ...

Publish Year: 2014

The Risk of Gastric Cancer in Patients with Duodenal and ...