

**Name of Journal:** *World Journal of Gastrointestinal Oncology*

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**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.

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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 ...](#)

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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)

<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)

<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, Annemarthe ...

Publish Year: 2011

### [The relationship between gastric cancer and Helicobacter ...](https://pubmed.ncbi.nlm.nih.gov/33287914)

<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



Stomach

Tumor inside the stomach

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 ica: Topics by Science.gov

May 16, 2018

gastric anti-ulcer activity: Topics by Science.gov

Jan 01, 2018

www.science.gov

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 ...