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Novel virulence factor *dupA* of *Helicobacter pylori* as an important risk determinant for disease manifestation: An overview

Alam J *et al.* Novel virulence factor *dupA* of *Helicobacter pylori*

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Asish K Mukhopadhyay

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Helicobacter pylori Diversity and Gastric Cancer Risk

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4742704>

Jan 26, 2016 · **Gastric cancer** is a leading **cause** of cancer-related death worldwide.

Helicobacter pylori infection is the strongest known **risk factor** for this malignancy. **An important goal** is to identify H. **pylori**-infected persons at high **risk for gastric cancer**, so that these individuals can be targeted for therapeutic intervention.

Helicobacter pylori and Gastric Cancer: Factors That ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2952980>

Summary: **Helicobacter pylori** is a gastric pathogen that colonizes approximately 50% of the world's population. Infection with H. **pylori** causes chronic inflammation and significantly increases the **risk** of developing duodenal and gastric ulcer **disease** and gastric cancer. Infection with H. **pylori** is the strongest known **risk factor** for gastric cancer, which is the second leading cause of ...

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Publish Year: 2010

DupA polymorphisms and risk of Helicobacter pylori ...

https://www.researchgate.net/publication/47678392_DupA_polymorphisms_and_risk_of...

The **dupA** of **Helicobacter pylori** has been suggested as a **virulence marker** associated with the **development of duodenal ulcer disease**.



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Mar 27, 2014 · H. **pylori** **DU promoting gene (dupA)**, located in the plasticity region of H. **pylori** **genome**, has been initially described as a **risk marker** for DU development and a **protective factor** against GC.100 It was the first putative specific marker whose association was described using strains obtained from both Asian (Japan and Korea) and Western (Colombia) regions, and it is ...

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Mechanisms of disease: Helicobacter pylori virulence factors

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Introduction. **Helicobacter pylori** is a Gram-negative spiral bacterium whose ecological niche is the human stomach.H. **pylori** gastritis is etiologically associated with peptic ulcer, primary gastric B-cell lymphoma and gastric carcinoma. Despite a general decline in the incidence of gastric cancer, it remains the fourth most common cancer and second leading cause of cancer-related deaths ...

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Publish Year: 2009

Role of dupA in virulence of Helicobacter pylori

<https://www.researchgate.net/publication/310334580...>

A **novel virulence factor**, duodenal ulcer-promoting gene A (**dupA**), in **Helicobacter pylori** has been found to be associated with **disease** in certain populations but not in others.

DupA, a novel virulence factor, and risk of Helicobacter pylori



Helicobacter pylori

Helicobacter pylori, previously known as *Campylobacter pylori*, is a gram-negative, helically-shaped, microaerophilic bacterium usually found in the stomach. Its helical shape is thought to have evolved in order to penetrate the mucoid lining of the stomach and thereby establish infection. The bacterium was first identified in 1982 by Australian doctors Barry Marshall and Robin Warren, who found that it was present in a person with chronic gastritis and gastric ulcers, conditions not previously believed to have a microbial cause. *H. pylori* has been associated with the mucosa-associated lymphoid tissue in the stomach, esophagus, colon, rectum, or tissues around the eye, and of lymphoid tissue in the stomach.

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