

Helicobacter pylori BabA in adaptation for gastric colonization



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Functional **adaptation** of **BabA**, the *H. pylori* ABO blood group ... feature of *H. pylori* is its **colonization** of the acidic **gastric** environment for the lifetime of the host.

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H. pylori exhibits both host tropism, **colonizing** only primates, and tissue tropism, adhering ... *H. pylori* adheres to the mucus-secreting **gastric** epithelial cells of the lumen in the upper half ... Presence of **babA** also correlates well with the ability of *H. pylori* to bind to Lewis b ... *H. pylori*, however, has **adapted** to cope with the.

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Helicobacter pylori is well **adapted** to the highly acidic conditions encountered ... **gastric** mucus layer, which is the major **colonization** site for the organism. Chronic ... is mediated by

Name of journal: *World Journal of Gastroenterology*

ESPS Manuscript NO: 33133

Manuscript Type: REVIEW

Helicobacter pylori BabA in adaptation for gastric colonization

Shamshul Ansari, Yoshio Yamaoka

Abstract

Helicobacter pylori (*H. pylori*) as a causative agent of gastric complications, is well adapted for the colonization of gastric mucosa. Although the infectious process depends on several factors, the adhesion to the gastric mucosa is the first and important step. Among several outer membrane proteins, BabA is one of the significant protein involving in many inflammatory processes in addition to its role in the attachment for the persistent colonization. We performed a PubMed search using the key words:

Match Overview

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作者 : TL Testerman - 2001 - 被引用次数 : 42 - 相关文章

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Infection with *H. pylori* is the strongest known risk factor for **gastric** cancer, which is of *H. pylori* strains from across the world suggest that the **BabA** adhesin has ... *H. pylori* to **adapt** to its host and to maintain persistent **colonization** (22, 248).