

PRODUCT INFORMATION

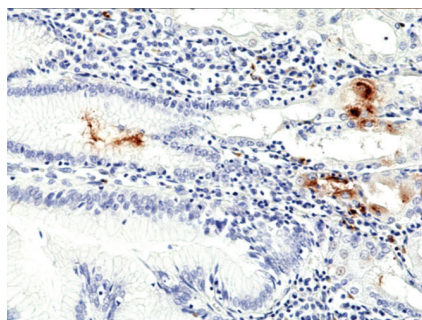
Helicobacter pylori Rabbit Monoclonal Antibody (Clone RM429)

Item No. 42829

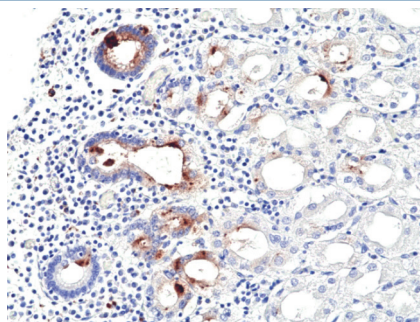
Overview and Properties

Contents:	This vial contains 100 µl of protein A-affinity purified monoclonal antibody.
Synonym:	<i>H. pylori</i>
Immunogen:	Proteins purified from <i>H. pylori</i>
Cross Reactivity:	(+) <i>H. pylori</i>
Species Reactivity:	(+) <i>H. pylori</i>
Form:	Liquid
Storage:	-20°C (as supplied)
Stability:	≥1 year
Storage Buffer:	PBS with 50% glycerol, 1% BSA, and 0.09% sodium azide
Concentration:	1.0 mg/ml
Clone:	RM429
Host:	Rabbit
Isotype:	IgG
Applications:	Immunohistochemistry (IHC); the recommended starting dilution is 1:100 - 1:200. Other applications were not tested, therefore optimal working concentration/dilution should be determined empirically.

Images



Immunohistochemical staining of formalin-fixed and paraffin-embedded human stomach using *Helicobacter pylori* Rabbit Monoclonal Antibody (Clone RM429) at a dilution of 1:100.



Immunohistochemical staining of formalin-fixed and paraffin-embedded human stomach using *Helicobacter pylori* Rabbit Monoclonal Antibody (Clone RM429) at a dilution of 1:100.

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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Description

Helicobacter pylori (*H. pylori*) is a Gram-negative bacterium that can infect and colonize the stomach.¹ Transmission of *H. pylori* can occur directly through person-to-person contact, as well as through contaminated drinking water, raw vegetables, or animal milk.² *H. pylori* infection can lead to chronic gastritis, stomach inflammation and oxidative stress, peptic ulcer disease, and gastric cancer.¹ It is considered an oncogenic agent and, although a low percentage of patients infected with *H. pylori* develop stomach cancer, it is responsible for the majority of stomach cancers. In mouse models of *H. pylori* infection, antibiotics can reduce and prevent gastritis and pre-malignant changes. Cayman's *Helicobacter pylori* Rabbit Monoclonal Antibody (Clone RM429) can be used for immunohistochemistry (IHC).

References

1. Chang, A.H., and Parsonnet, J. Role of bacteria in oncogenesis. *Clin. Microbiol. Rev.* **23**(4), 837-857 (2010).
2. Mezmale, L., Coelho, L.G., Bordin, D., *et al.* Review: Epidemiology of *Helicobacter pylori*. *Helicobacter* **25**(Suppl 1), e12734 (2020).

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