

Rabbit Anti-Helicobacter pylori Polyclonal Antibody

Rabbit, Polyclonal (Helicobacter pylori)

Cat. No. DPAB1443

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview: Rabbit Antibody to Helicobacter pylori Fluorescein conjugated

Immunogen: ATCC strain 43504

Specificity: Whole cell lysate. Has not been absorbed and may react with related microorganisms.

Host animal: Rabbit

Format: FITC, Liquid

Purification: Protein A chromatography. Covalently coupled with high purity Isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product.

Applications: Suitable for use in direct IFA, ELISA and immunohistochemistry (formalin fixed/paraffin). Acetone fixation of the antigen source is recommended prior to staining. Enzyme amplification following reaction with FITC conjugate can also be accomplished utilizing enzyme-antibody conjugates specific to FITC. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

REFERENCES

1. Lin, Frank, Y.H., et al., (2005), "Development of a Nanoparticle-Labeled Microfluidic Immunoassay for Detection of Pathogenic Microorganisms", Clinical and Diagnostic Laboratory Immunology", 12(3), 418-425.
2. Liu ZF, Chen CY, Tang W, Zhang JY, Gong YQ, Jia JH (August 2006). "Gene-expression profiles in gastric epithelial cells stimulated with spiral and coccoid Helicobacter pylori". J Med Microbiol 55 (Pt 8): 1009-1015.

BACKGROUND

Introduction: Helicobacter pylori is a Gram-negative, microaerophilic bacterium that can inhabit various areas of the stomach, particularly the antrum. It causes a chronic low-level inflammation of the stomach lining and is strongly linked to the development of duodenal and gastric ulcers and stomach cancer. Over 80 percent of individuals infected with the bacterium are asymptomatic.

Keywords: H. pylori; Proteobacteria; Epsilonproteobacteria; Campylobacterales; Helicobacteraceae; Helicobacter; Helicobacter pylori

PACKAGING

Concentration: 4-5mg/ml (OD280nm, E^{0.1%}=1.4)

Buffer: 0.01M PBS, pH 7.2 containing 10mg/ml BSA

Preservative: 0.1% Sodium azide

Storage: Short term (up to 6 months) at 2-8°C under subdued light. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

Warning: This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1-1.0%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

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