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BP2028 Polyclonal Antibody to Helicobacter pylori - Ig Fraction

Alternate names: H. pylori

Quantity: 1 ml

Concentration: 4-5 mg/ml (OD280 nm, E0.1%= 1.4)

Background: The spiral shaped bacterium Helicobacter pylori is strongly associated with inflammation of the stomach and is also implicated in the development of gastric malignancy. H. pylori is known to cause peptic ulcers and chronic gastritis in human. It is associated with duodenal ulcers and may be involved in development of adenocarcimona and low-grade lymphoma of mucosa associated lymphoid tissue in the stomach. More recently this bacterium has also been implicated with a number of vascular disorders including heart disease. It is not clear how H. pylori is transmitted or why some patients become symptomatic while others do not. The bacteria are most likely spread from person to person through fecal-to-oral or oral-to-oral routes. Possible environmental reservoirs include contaminated water sources.

Host: Rabbit

Immunogen: ATTC strain 43504

Format: **State:** Liquid purified Ig fraction (>95% pure).
Purification: Protein A Chromatography.
Buffer System: 0.01M PBS pH 7.2 containing 0.09% Sodium Azide as a preservative without stabilizing proteins.

Applications: Suitable for use in ELISA (1/5,000), Immunofluorescence Microscopy (> 1/1,000) and Immunohistochemistry (Formalin-Fixed specimens).
This product may be used in place of neat antiserum in almost any appropriate antibody-based technique. It is also suitable for conjugation purposes.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: Whole Cell Lysate.
This antiserum has not been absorbed and may react with related microorganisms.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings: 1. Lin FY, Sabri M, Alirezaie J, Li D, Sherman PM. Development of a nanoparticle-labeled microfluidic immunoassay for detection of pathogenic microorganisms. Clin Diagn Lab Immunol. 2005 Mar;12(3):418-25. PubMed PMID: 15753255.