

## Product datasheet for **BP5046**

### Gastrin (GAST) Guinea Pig Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC
Recommended Dilution:	<b>Immunohistochemistry on Frozen Sections:</b> 1:1,000-1:1,500 <b>Immunohistochemistry on Paraffin Embedded Tissues:</b> 1:1,000-1:1,500 (microwave treatment recommended) <b>Immunofluorescence Microscopy.</b> <b>Recommended Positive Control:</b> Formalin-fixed paraffin sections of Rat antrum. <b>Working Dilutions:</b> 1:1,000-1:1,500 using FITC, with overnight incubation at 2-8°C.
Reactivity:	Human, Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	Synthetic Human Gastrin I conjugated to BSA
Specificity:	Gastrin-secreting cells are numerous in the antrum and a few are found in the proximal duodenum. The antibody can be used for the diagnosis of Gastrin-producing tumors which are mainly found in the pancreas and occasionally in the stomach and the duodenum. Absorption with 10-100 µg Gastrin 1-34 and CCK 8 per ml antiserum abolishes the staining.
Formulation:	State: Serum State: Lyophilized Serum
Reconstitution Method:	Restore in 100 µl distilled water
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	gastrin
Database Link:	<a href="#">Entrez Gene 2520 Human P01350</a>



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**Background:**

Gastrin is mainly known by its first described role as a gastric acid-hormone but the protein also has the ability to promote cellular growth. More recently, gastrin has been suggested to induce leukocyte-endothelial cell interactions and to have a pro-inflammatory effect. Gastrin has two biologically active peptide forms, G34 and G17 and they activate two different receptors: the CCK-1 receptor, which has low affinity for gastrin but high affinity for the related hormone cholecystokinin (CCK), and the CCK-2 receptor, which has high affinity for both gastrin and CCK and mediates the acid-secretory as well as the proliferative effects of gastrin.

**Synonyms:**

GAST, GAS