

Product datasheet for **DP044-05**

Gastrin (GAST) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on formalin-fixed paraffin embedded sections: diluted of 1:50-1:100 in an ABC method (30 minutes at room temperature) Recommended Positive Control: Stomach
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant Gastrin conjugated to KLH.
Specificity:	The antibody is specific against gastrin-containing cells. This antibody reacts with human gastrin I and human gastrin I fragments. Cellular Localization: Cytoplasmic
Formulation:	containing sodium azide as preservative State: Purified State: Liquid serum
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	gastrin
Database Link:	Entrez Gene 2520 Human P01350



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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