

Product datasheet for **TA364100**

Gastrin (GAST) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	This antibody has been tested and validated in ELISA against Big Gastrin-1. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide Pyr-Leu-Gly-Pro-Gln-Gly-Pro-Pro-His-Leu-Val-Ala- Asp-Pro-Ser-Lys-Lys-Gln-Gly-Pro-Trp-Leu-Glu-Glu-Glu-Glu-Glu-Ala-Tyr- Gly-Trp-Met-Asp-Phe-NH ₂ coupled to carrier protein.
Formulation:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
Concentration:	N/A
Conjugation:	Unconjugated
Storage:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Gene Name:	gastrin
Database Link:	Entrez Gene 2520 Human P01350



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Background:

Gastrin is a peptide hormone released by G cells in the pyloric antrum of the stomach, duodenum, and the pancreas. It stimulates secretion of gastric acid (HCl) by the parietal cells of the stomach and helps in gastric motility. Gastrin binds to cholecystokinin B receptors to stimulate the release of histamines in enterochromaffin-like cells, and it induces the insertion of K⁺/H⁺ ATPase pumps into the apical membrane of parietal cells. The encoded polypeptide is preprogastrin, which is enzymatically cleaved to produce progastrin and then gastrin in various forms such as gastrin-34 ("big gastrin"), gastrin-17 ("little gastrin"), gastrin-14 ("minigastrin"). Big Gastrin-1, also known as Gastrin-34 or "Big Gastrin", is a 34-amino acid peptide secreted by the G cells in the gastric mucosa. It is one of the major bioactive forms of gastrin found in tissue and plasma. This antibody was generated by immunization of rabbits with Big Gastrin-1 coupled to a carrier protein.

Synonyms:

GAS; gastrin