



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Gastrin-1

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 Gastrin-1 coupled to a carrier protein

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4347 (Lot A09854)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Human
Quantity:	50 µl
Format:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50 µl distilled water. This will give the equivalent of undiluted antiserum.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Immunogen:	Synthetic peptide Pyr-Gly-Pro-Trp-Leu-Glu-Glu-Glu-Glu-Ala-Tyr-Gly-Trp-Met-Asp-Phe-NH ₂ coupled to carrier protein.
Protein database:	<u>human-P01350</u>

Applications:

Tested in immunohistochemistry (IHC) and ELISA against Gastrin-1. Other applications like FACS or Western Blot may work as well.

Optimal dilutions should be determined by the end user.

Please see **bma.ch** for protocols and general information.

Approximate working dilution for IHC:

Frozen sections: not tested yet.

Paraffin sections: 1:500; recommended Proteinase K pre-treatment.

Related Products:

S-1209: ELISA, high sensitivity for extracted samples

T-4346: Rabbit anti Gastrin-1 (hu), purified IgG

T-4345: Rabbit anti Gastrin-1 (hu), diluted antiserum

T-4052: Rabbit anti Gastrin Inhibitory Polypeptide, diluted antiserum

T-4349: Gastrin Releasing Peptide (ca, hu, po), diluted antiserum

T-4342: Rabbit anti Big Gastrin-1 (hu), purified IgG

This product contains no preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.