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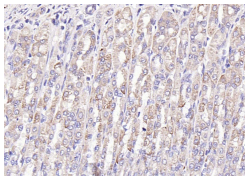
Gastrin Rabbit pAb

Catalog Number:	bs-1189R
Target Protein:	Gastrin
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity:	Rat (predicted:Human, Mouse, Rabbit, Pig)
Predicted MW:	2.1/3.9/6/8 kDa
Entrez Gene:	2520
Swiss Prot:	P01350
Source:	KLH conjugated synthetic peptide derived from human Gastrin: 77-92/101.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	Gastrin is responsible for epithelial cell proliferation and differentiation. Gastrin regulates the action of parietal cells in secretion of gastric acid and growth factors essential for stomach maintenance. Gastrin maintains sodium ion homeostasis and controls body’s blood pressure. Hypoxial conditions in in vitro and in vivo analysis may elevate the expression of gastrin hormone in cancer cells in order to promote angiogenesis. The only established clinical routine use of gastrin RIA so far is in the diagnosis, localization, and therapeutic control of gastrinomas (Zollinger–Ellison or Z–E tumors).

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Gastrin) Polyclonal Antibody, Unconjugated (bs-1189R) at 1:200 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=38.637] Kenta Kawasaki. et al. An Organoid Biobank of Neuroendocrine Neoplasms Enables Genotype-Phenotype Mapping. Cell. 2020 Nov;183:1420 IHC ; Human . 33159857

[IF=0.392] Yildiz, M.. et al. The Effect of Chronic Intermittent Cold Exposure on Gastrin-, Somatostatin-, Secretin-, and Serotonin-Containing Cells in the Small Intestine of Rats. Biol Bull+. 2021 Dec;48(3):S95-S106 IHC ; Rat . 10.1134/S1062359022010174