

Gastrin Polyclonal Antibody

Catalog No: YT1857

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: Gastrin

Fields: >>Gastric acid secretion

P01350

P48757

Gene Name: GAST

Protein Name: Gastrin

Human Gene Id: 2520

Human Swiss Prot

No:

Mouse Gene Id: 14459

Mouse Swiss Prot

No:

Rat Gene ld: 25320

Rat Swiss Prot No: P04563

Immunogen: The antiserum was produced against synthesized peptide derived from human

Gastrin. AA range:52-101

Specificity: Gastrin Polyclonal Antibody detects endogenous levels of Gastrin protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not

yet tested in other applications.



Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 12kD

Background: Gastrin is a hormone whose main function is to stimulate secretion of

hydrochloric acid by the gastric mucosa, which results in gastrin formation inhibition. This hormone also acts as a mitogenic factor for gastrointestinal epithelial cells. Gastrin has two biologically active peptide forms, G34 and G17.

[provided by RefSeq, Jul 2008],

Function: function:Gastrin stimulates the stomach mucosa to produce and secrete

hydrochloric acid and the pancreas to secrete its digestive enzymes. It also stimulates smooth muscle contraction and increases blood circulation and water

secretion in the stomach and intestine., online information: Gastrin

entry,PTM:Sulfation enhances proteolytic processing, and blocks peptide degradation. Levels of sulfation differ between proteolytically-cleaved gastrins. Thus, gastrin-6 is almost 73% sulfated, whereas the larger gastrins are less than

50% sulfated. Sulfation levels are also tissue-specific.,PTM:Two different processing pathways probably exist in antral G-cells. In the dominant pathway progastrin is cleaved at three sites resulting in two major bioactive gastrins, gastrin-34 and gastrin-17. In the putative alternative pathway, progastrin may be

processed only at the most C-terminal dibasic site resul

Subcellular Location:

Expression : Gastric mucosa,

Secreted.

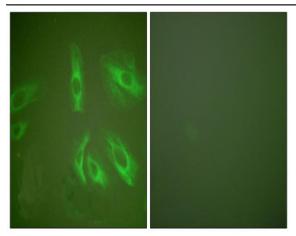
Sort : 6470

No4:

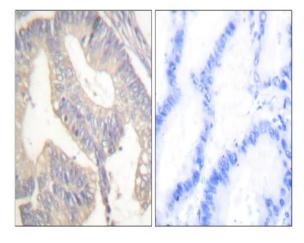
Host: Rabbit

Modifications: Unmodified

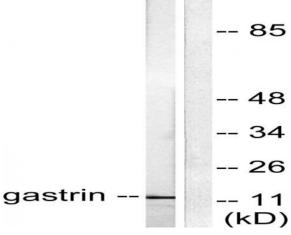
Products Images



Immunofluorescence analysis of HeLa cells, using Gastrin Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using Gastrin Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from NIH/3T3 cells, using Gastrin Antibody. The lane on the right is blocked with the synthesized peptide.