

Product Name: Gastrin Rabbit Polyclonal Antibody**Catalog #: APRab11307**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	12kDa

Antigen Information

Gene Name	GAST
Alternative Names	GAST; GAS; Gastrin
Gene ID	2520.0
SwissProt ID	P01350
Immunogen	The antiserum was produced against synthesized peptide derived from human Gastrin. AA range:52-101

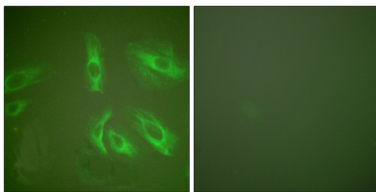
Background

Gastrin is a hormone whose main function is to stimulate secretion of hydrochloric acid by the gastric mucosa, which results in

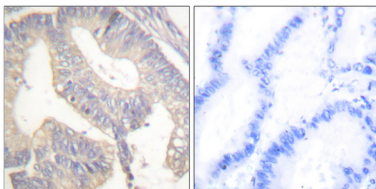
gastrin formation inhibition. This hormone also acts as a mitogenic factor for gastrointestinal epithelial cells. Gastrin has two biologically active peptide forms, G34 and G17. [provided by RefSeq, Jul 2008],function:Gastrin stimulates the stomach mucosa to produce and secrete hydrochloric acid and 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 resulting in the synthesis of gastrin-71.,similarity:Belongs to the gastrin/cholecystokinin family.,

Research Area

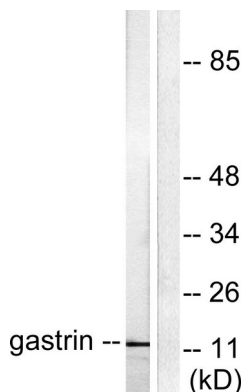
Image Data



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.