



Gastrin (PT0139) mouse mAb

Catalog No	YP-Ab-15267
Isotype	IgG
Reactivity	Human; Predict react with Mouse, Rat
Applications	IHC;IF
Gene Name	GAST GAS
Immunogen	Synthesized peptide derived from human Gastrin
Specificity	This antibody detects endogenous levels of human Gastrin. Heat-induced epitope retrieval (HIER) TRIS-EDTA of pH8.0 was highly recommended as antigen repair method in paraffin section
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Mouse, Monoclonal/IgG1, Kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:100-500. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	G14 Gastrin 6;G17 Gastrin 14;G34 Gastrin;G52 Big gastrin;G6;GAS;GAST; gastrin;Gastrin 17;Gastrin 34;Gastrin component I Gastrin 52;Gastrin component II;Gastrin component III;GAST GAS;Gastrin [Cleaved into: Gastrin-71 (Gastrin component I);Gastrin-52 (G52);Big gastrin (Gastrin component II) (Gastrin-34) (G34);Gastrin (Gastrin component III) (Gastrin-17) (G17);Gastrin-14 (G14)
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Secreted.
Tissue Specificity	Gastric mucosa,
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

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],

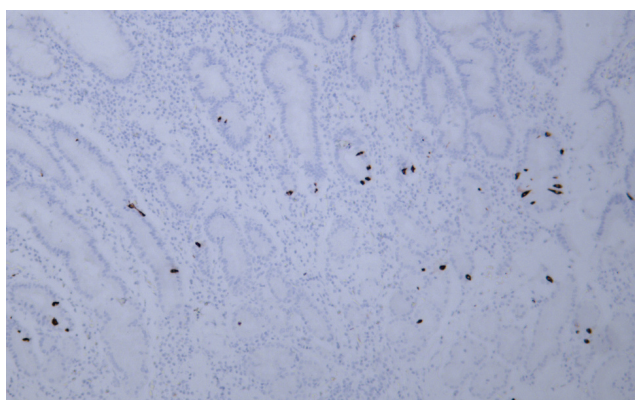
matters needing attention

Avoid repeated freezing and thawing!

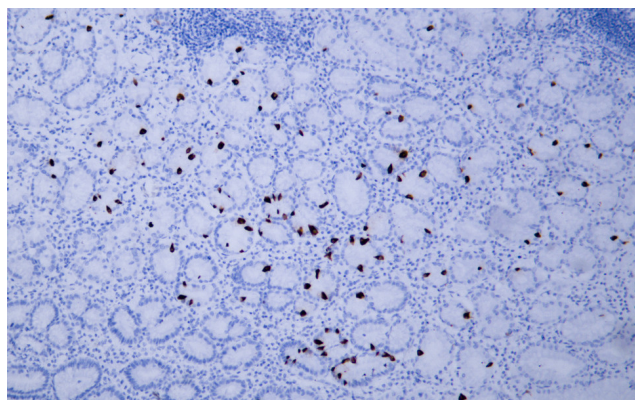
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Human gastric adenocarcinoma tissue was stained with Anti-Gastrin (ABT494) Antibody



Human stomach tissue was stained with Anti-Gastrin (ABT494) Antibody