

Gastrin (PT0139) IHC kit

CatalogNo: IHCM6181

Key Features

Host Species

- Mouse

Reactivity

- Human,

Applications

- IHC

Isotype

- IgG1,Kappa

Recommended Dilution Ratios

Storage

Storage* 2°C to 8°C/1 year

Basic Information

Clonality Monoclonal

Clone Number PT0139

Immunogen Information

Immunogen Synthesized peptide derived from human Gastrin AA range: 50-101

Specificity The antibody can specifically recognize human Gastrin protein.

Target Information

Gene name GAST GAS

Protein Name 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); Gastrin-6 (G6)]

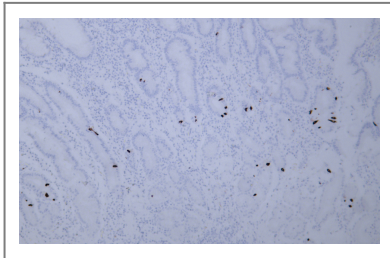
Organism	Gene ID	UniProt ID
Human	2520 ;	P01350 ;

Cellular Localization Cytoplasmic

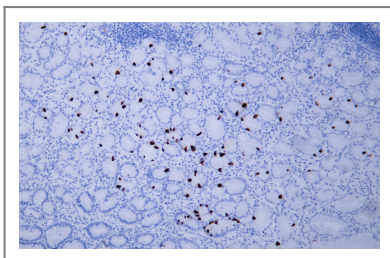
Tissue specificity Gastric mucosa,

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 resulting in the synthesis of gastrin-71.,similarity:Belongs to the gastrin/cholecystokinin family.,

Validation Data



Human gastric adenocarcinoma tissue was stained with anti-Gastrin (PT0139) Antibody



Human stomach tissue was stained with anti-Gastrin (PT0139) Antibody

Contact information

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Gastrin (PT0139)
IHC kit

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