Product datasheet

Anti-Gastrin antibody ab8492

1 References

Overview

Product name Anti-Gastrin antibody
Description Rabbit polyclonal to Gastrin
Host species Rabbit
Specificity This antibody detects Gastrin
Tested applications Suitable for: Dot blot, IHC-Fr, IHC-P, WB
Species reactivity Reacts with: Mouse, Human
Predicted to work with: Mammals
Immunogen Human gastrin 17 conjugated to BSA.
Positive control Antrum.
General notes Gastrin secreting cells are numerous in the antrum and few are found in the proximal duodenum.

Properties

Form Liquid
Storage instructions Shipped at 4°C. Upon delivery aliquot. Store at +4°C. Avoid freeze / thaw cycle.
Storage buffer Liquid antiserum
Purity Whole antiserum
Clonality Polyclonal
Isotype IgG
Light chain type unknown

Applications

Our Abpromise guarantee covers the use of ab8492 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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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.

Sequence similarities
Belongs to the gastrin/cholecystokinin family.

Post-translational modifications
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.
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.

Cellular localization
Secreted.

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