


Product datasheet

Anti-Gastrin antibody, prediluted ab16036

1 Image

Overview

<b>Product name</b>	Anti-Gastrin antibody, prediluted
<b>Description</b>	Rabbit polyclonal to Gastrin, prediluted
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Horse, Dog 
<b>Immunogen</b>	Synthetic peptide within Human Gastrin aa 50 to the C-terminus. The exact sequence is proprietary. Database link: <a href="#">P01350</a>
<b>General notes</b>	<p>This antibody may be used to study the differential tissue expression and intracellular and subcellular localization of gastrin in neuroendocrine cells of the gastrointestinal tract, and in the CNS. Antibodies to gastrin are also useful for the identification and detection of gastrin in normal and neoplastic tissue.</p> <p><b>This product is FOR RESEARCH USE ONLY. For commercial use, please contact <a href="mailto:partnerships@abcam.com">partnerships@abcam.com</a>.</b></p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: Tris buffered saline, 1% BSA
<b>Purity</b>	Immunogen affinity purified

<b>Primary antibody notes</b>	This antibody may be used to study the differential tissue expression and intracellular and subcellular localization of gastrin in neuroendocrine cells of the gastrointestinal tract, and in the CNS. Antibodies to gastrin are also useful for the identification and detection of gastrin in normal and neoplastic tissue.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab16036 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/1. Ready to use.

## Target

<b>Function</b>	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.
<b>Sequence similarities</b>	Belongs to the gastrin/cholecystokinin family.
<b>Post-translational modifications</b>	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.
<b>Cellular localization</b>	Secreted.

## Images

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Gastrin antibody, prediluted (ab16036)

[ab16035](#) staining human Gastrin in stomach by Immunohistochemistry (FFPE-sections).

This data was developed using the undiluted version of this antibody ([ab16035](#)).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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