

## Datasheet for ABIN7654294 **anti-Gastrin antibody**



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### Overview

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Quantity:    | 50 µL                                                                                                   |
| Target:      | Gastrin (GAST)                                                                                          |
| Reactivity:  | Human                                                                                                   |
| Host:        | Mouse                                                                                                   |
| Clonality:   | Monoclonal                                                                                              |
| Conjugate:   | This Gastrin antibody is un-conjugated                                                                  |
| Application: | Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp)) |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Gastrin(GAST/2634)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen:       | Recombinant full-length human GAST protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Clone:           | GAST-2634                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Isotype:         | IgG1, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Characteristics: | Gastrin, is a hormone that normally formed by mucosal cells in the gastric antrum and by the D cells of the pancreatic islets. Its primary function is to stimulate secretion of HCl by the gastric mucosa. HCl, in turn, inhibits gastrin formation. It also responsible for stimulating smooth muscle contraction and increasing blood circulation and water secretion in the stomach and intestine. Gastrin is regulated by epidermal growth factor in both mice and humans. Gastrin is excreted in excess by pancreatic tumors in the Zollinger-Ellison syndrome. Gastrin-Releasing Peptide (GRP) stimulates the release of gastrin as well as other gastrointestinal hormones and |

## Product Details

also acts as an autocrine growth factor for certain cell types. High levels of GRP are found in the human lung just after birth and levels decrease thereafter in parallel with the observed disease in a number of pulmonary neuroendocrine cells. GRP is known to promote lung tumorigenesis in model systems. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

|                   |                                                                                                                                                                                                                                                                         |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | Gastrin (GAST)                                                                                                                                                                                                                                                          |
| Alternative Name: | Gastrin                                                                                                                                                                                                                                                                 |
| Background:       | Synonyms: Component II, GAS, Gast, Gastrin component I, Gastrin component II, Gastrin component III, Gastrin precursor, Gastrin-14, Gastrin-17, Gastrin-34, Gastrin-52, Gastrin-6, Gastrin-71<br>Gene Symbol: GAST<br>Tissue Expression: Pancreatic islet cells Stomach |
| Molecular Weight: | 2/4/14 kDa                                                                                                                                                                                                                                                              |
| Gene ID:          | 2520                                                                                                                                                                                                                                                                    |
| UniProt:          | <a href="#">P01350</a>                                                                                                                                                                                                                                                  |

## Application Details

|                    |                                                                                                                                                                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | ELISA: For coating use Ab at 1-5 µg/mL, order Ab without BSA, Optimal dilution for a specific application should be determined.. Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody |
| Comment:           | Positive Control: Human Pituitary or Stomach.                                                                                                                                                                                                                                    |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                            |

## Handling

|                |         |
|----------------|---------|
| Format:        | Liquid  |
| Concentration: | 1 mg/mL |

## Handling

|                  |                                                                                                              |
|------------------|--------------------------------------------------------------------------------------------------------------|
| Buffer:          | PBS, no BSA, no azide                                                                                        |
| Preservative:    | Without preservative                                                                                         |
| Storage:         | -20 °C                                                                                                       |
| Storage Comment: | Stable at room temperature or 37°C for 7 days.<br>Store at -20 °C. Protect fluorescent conjugates from light |
| Expiry Date:     | 24 months                                                                                                    |