

## Rabbit Gastrin Polyclonal Antibody | anti-GAST antibody

Gastrin Antibody

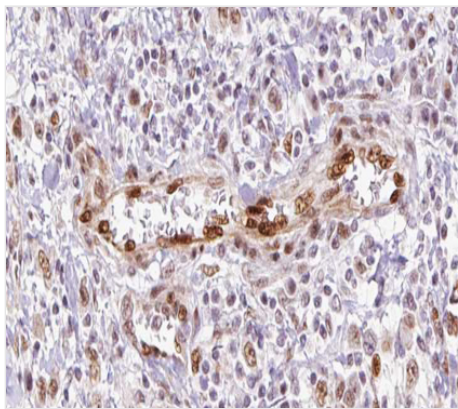
| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                       |
|-----------|--------|-------------------|------------------------------------------------------------------------------------|
| AAA321126 | Rabbit | Human, Mouse, Rat | ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

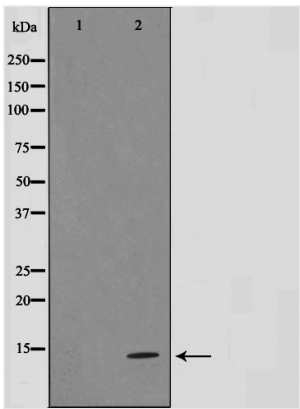
Gastrin; Polyclonal Antibody; Gastrin Antibody; Component II; G14; G17; G34; G52; G6; GAS; Gast; GAST\_HUMAN; Gastrin component I; Gastrin component II; Gastrin component III; Gastrin precursor; Gastrin-14; Gastrin-17; Gastrin-34; Gastrin-52; Gastrin-6; Gastrin-71; anti-GAST antibody

### PRODUCT SPECIFICATIONS

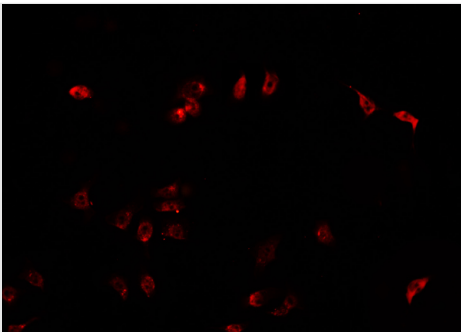
|                                                |                                                                                                          |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                   |
| Reactivity                                     | Human, Mouse, Rat                                                                                        |
| Clonality                                      | Polyclonal                                                                                               |
| Isotype                                        | IgG                                                                                                      |
| Specificity                                    | Gastrin antibody detects endogenous levels of Gastrin                                                    |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.            |
| Form/Format                                    | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.            |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                   |
| Sequence Length                                | 101                                                                                                      |
| Applicable Applications for anti-GAST antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                      | A synthesized peptide derived from human Gastrin                                                         |
| Subcellular Location                           | Secreted.                                                                                                |
| Conjugation                                    | Unconjugated                                                                                             |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                                        |



**IHC (Immunohistochemistry)**  
AAA321126 at 1/100 staining human Stomach tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



**WB (Western Blot)**  
Western blot analysis on NIH-3T3 cell lysate using Gastrin Antibody, The lane on the left is treated with the antigen-specific peptide.



**IF (Immunofluorescence)**  
AAA321126 staining NIH/3T3 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GAST antibody

Description: Gastrin 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. Belongs to the gastrin/cholecystokinin family. Note: This description may include information from UniProtKB.

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.

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.

Similarity: Belongs to the gastrin/cholecystokinin family.

NCBI AND UNIPROT INFORMATION

|                  |             |
|------------------|-------------|
| NCBI GI #        | 4503923     |
| NCBI GeneID      | 2520        |
| NCBI Accession # | NP_000796.1 |

|                                  |                                       |
|----------------------------------|---------------------------------------|
| NCBI GenBank Nucleotide #        | NM_000805.4                           |
| UniProt Accession #              | P01350; P78463; P78464                |
| Molecular Weight                 | Observed: 12 kDa<br>Predicted: 12 kDa |
| NCBI Official Full Name          | gastrin preproprotein                 |
| NCBI Official Synonym Full Names | gastrin                               |
| NCBI Official Symbol             | GAST                                  |
| NCBI Official Synonym Symbols    | GAS                                   |
| NCBI Protein Information         | gastrin                               |
| UniProt Protein Name             | Gastrin                               |
| UniProt Gene Name                | <b>GAST</b>                           |
| UniProt Synonym Gene Names       | GAS; G52; G34; G17; G14; G6           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gastrin-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/321126>