

Mouse anti-Human Gastrin Monoclonal Antibody | anti-GAST antibody

Gastrin

CATALOG # AAA214981	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA
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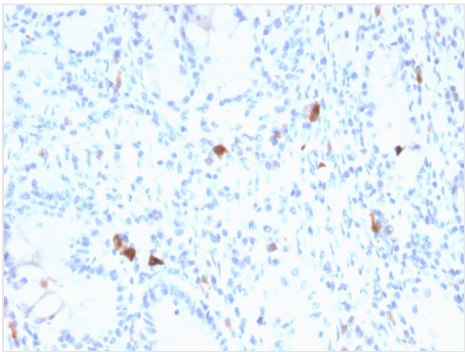
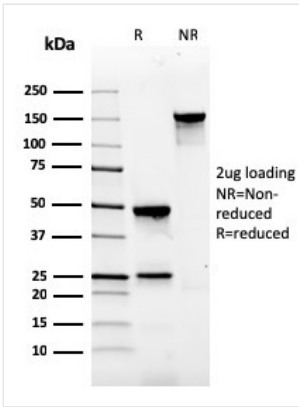
PRODUCT SYNONYMS

Gastrin; Monoclonal Antibody; 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; anti-GAST antibody

PRODUCT SPECIFICATIONS

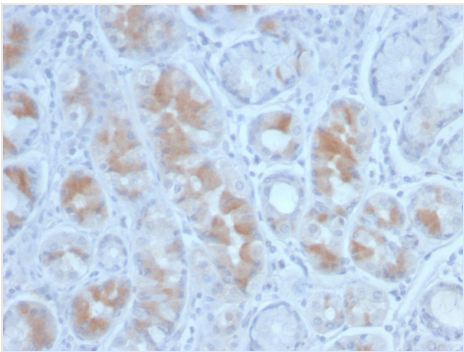
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	GAST/2634
Specificity	Gastrin, is a hormone that normally formed by mucosal cells in the gastric antrum and by the D cells of the pancreatic islets. Its primary function is to stimulate secretion of HCl by the gastric mucosa. 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 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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	101
Applicable Applications for anti-GAST antibody	ELISA
Positive Control	Human Pituitary or Stomach.
Immunogen	Recombinant full-length human GAST protein
Cellular Localization	Secreted.
Hu-chromosome Location	17q21.2.
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded human Stomach stained with Gastrin Mouse Monoclonal Antibody (GAST/2634).

SDS-PAGE
SDS-PAGE Analysis Purified Gastrin Mouse Monoclonal Antibody (GAST/2634).
Confirmation of Integrity and Purity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Stomach stained with Gastrin Mouse Monoclonal Antibody (GAST/2634).

ADDITIONAL INFORMATION

References	Gregory, R.A., et al. 1969. Gut 10: 603
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503923
NCBI GeneID	2520
NCBI Accession #	NP_000796.1
NCBI GenBank Nucleotide #	NP_000796.1
UniProt Accession #	P01350
Molecular Weight	2/4/14kDa
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	GAST
UniProt Synonym Gene Names	GAS; G52; G34; G17; G14; G6
UniProt Entry Name	GAST_HUMAN

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://www.aaabiotech.com/monoclonal/gastrin-antibody-clone-gast-2634-elisa/214981>