

Datasheet for ABIN6937296

anti-Gastrin antibody



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Overview

Quantity:	100 µg
Target:	Gastrin (GAST)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Gastrin antibody is un-conjugated
Application:	ELISA, Coating (Coat)

Product Details

Immunogen:	Recombinant full-length human GAST protein
Clone:	GAST-2632
Isotype:	IgG1 kappa
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

Product Details

	tumorigenesis in model systems.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	Gastrin (GAST)
Alternative Name:	GAST (GAST Products)
Background:	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,Gastrin Cellular localisation: Secreted.
Molecular Weight:	2/4/14kDa
Gene ID:	2520, 2681
UniProt:	P01350

Application Details

Application Notes:	Known_Application: ELISA (For coating use Ab at 1-5 µg/mL, order Ab without BSA) Optimal dilution for a specific application should be determined. Positive_Control: Human Pituitary or Stomach.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months