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GAST Antibody(Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2046a

Product Information

Application	WB, E
Primary Accession	P01350
Other Accession	NP_000796.1
Reactivity	Human
Predicted	Bovine, Canine
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	486CT4.8.13.6
Calculated MW	11394
Antigen Region	49-78

Additional Information

Gene ID	2520
Other Names	Gastrin, Gastrin-71, Gastrin component I, Gastrin-52, G52, Big gastrin, Gastrin component II, Gastrin-34, G34, Gastrin, Gastrin component III, Gastrin-17, G17, Gastrin-14, G14, Gastrin-6, G6, GAST, GAS
Target/Specificity	This GAST antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 49-78 amino acids from human GAST.
Dilution	WB~~1:100~1600 E~~Use at an assay dependent concentration.
Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GAST Antibody(Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GAST
Synonyms	GAS
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.

Cellular Location Secreted.

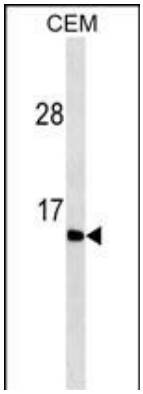
Background

Gastrin is a hormone whose main function is to stimulate secretion of hydrochloric acid by the gastric mucosa, which results in gastrin formation inhibition. This hormone also acts as a mitogenic factor for gastrointestinal epithelial cells. Gastrin has two biologically active peptide forms, G34 and G17. [provided by RefSeq].

References

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El Ali, Z., et al. J. Endocrinol. Invest. 33(3):186-191(2010)
Huang, C.L., et al. Pharmacology 85(3):131-135(2010)
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Images



GAST Antibody (Cat. #AM2046a) western blot analysis in CEM cell line lysates (35µg/lane).This demonstrates the GAST antibody detected the GAST protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.