

Anti-Gastrin Antibody

Catalog # AP51223

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P01350
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11394

Additional Information

Gene ID	2520
Other Names	GAS; Gastrin
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Gastrin. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

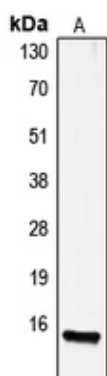
Protein Information

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.

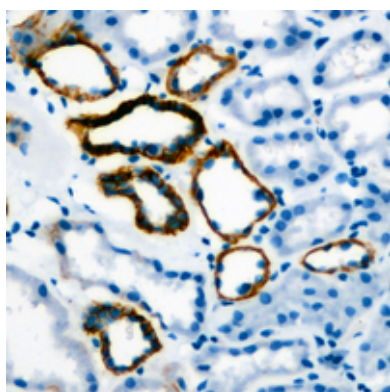
References

Kariya Y.,et al.Gene 50:345-352(1986).
Ito R.,et al.Proc. Natl. Acad. Sci. U.S.A. 81:4662-4666(1984).
Kato K.,et al.Nucleic Acids Res. 11:8197-8203(1983).

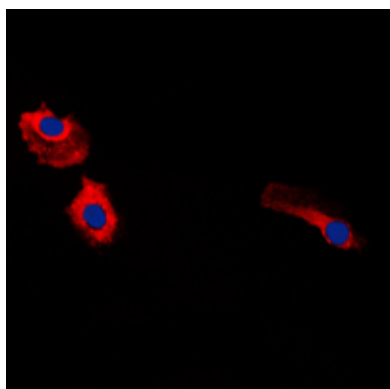
Images



Western blot analysis of Gastrin expression in HeLa (A) whole cell lysates. (Predicted band size: 11 kD; Observed band size: 14 kD)



Immunohistochemical analysis of Gastrin staining in human stomach formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Gastrin staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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