

Product datasheet

anti-Gastrin guinea pig polyclonal, serum

Short overview

Cat. No.	16029
Quantity	50 µl (lyoph.)

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic human gastrin I, conjugated to BSA
Formulation	Lyophilized; reconstitute in 100 µl dist. water
UniprotID	P01350 (Human), P04563 (Rat)
Synonym	Gastrin [Cleaved into: 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
Conjugate	Unconjugated
Purification	Undiluted antiserum
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ICC/IF, IHC
Reactivity	Human, Rat

Applications

Immunocytochemistry (ICC)	1:1,000-1:1,500
Immunohistochemistry (IHC) - frozen	1:1,000-1:1,500
Immunohistochemistry (IHC) - paraffin	1:1,000-1:1,500 (microwave treatment recommended)

Background

Gastrin-secreting cells are numerous in the antrum and a few are found in the proximal duodenum. The antibody can be used for the diagnosis of gastrin-producing tumors which are mainly found in the pancreas and occasionally in the stomach and the duodenum. Absorption with 10-100 µg gastrin 1-34 and CCK 8 per ml antiserum abolishes the staining.

Positive control: formalin-fixed paraffin sections of rat antrum.

Product images



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References

Publication	Species	Application
Portela-Gomes, G. M., Stridsberg, M., Johansson, H. & Grimelius, L. Co-localization of synaptophysin with different neuroendocrine hormones in the human gastrointestinal tract. Histochem. Cell Biol. 111, 49â€“54 (1999).	human	IHC (paraffin)
Portela-Gomes, G. M., Stridsberg, M., Johansson, H. & Grimelius, L. Complex co-localization of chromogranins and neurohormones in the human gastrointestinal tract. J. Histochem. Cytochem. 45, 815â€“22 (1997).	human	IHC (paraffin)
Mulder, H., Lindh, A. C., Ekblad, E., Westermark, P. & Sundler, F. Islet amyloid polypeptide is expressed in endocrine cells of the gastric mucosa in the rat and mouse. Gastroenterology 107, 712â€“9 (1994).	mouse,rat	ICC-IF