

Product datasheet

anti-Glicentin/Glucagon rabbit polyclonal, serum

Short overview

Cat. No.	16034
Quantity	100 µl (lyoph.)

Product description

Host	Rabbit
Antibody Type	Polyclonal
Immunogen	Porcine pancreatic glucagon (Novo, Denmark), conjugated to BSA
Formulation	Lyophilized; reconstitute in 100 µl dist. water
UniprotID	P01275 (Human),P01274 (Pig),P05110 (Guinea pig),P06883 (Rat)
Synonym	Pro-glucagon [Cleaved into: Glicentin; Glicentin-related polypeptide, GRPP; Oxyntomodulin, OXM, OXY; Glucagon; Glucagon-like peptide 1, GLP-1, Incretin hormone; Glucagon-like peptide 1(7-37, GLP-1(7-37; Glucagon-like peptide 1(7-36, GLP-1(7-36; Glucagon-like peptide 2, GLP-2], GCG
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	Hamster, Human, Pig, Rat

Applications

Immunocytochemistry (ICC)	1:1,000-1:3,000
Immunohistochemistry (IHC) - frozen	1:1,000-1:3,000
Immunohistochemistry (IHC) - paraffin	1:1,000-1:3,000 (microwave treatment recommended)

Background

Glicentin contains the glucagon sequence and is produced in a prominent population of endocrine cells in the distal intestine as well as in pancreatic glucagon cells and in the nerves in the brain. Serum levels of glicentin are elevated after food uptake and in certain clinical conditions, e.g. after resections of the intestine. The functional role of glicentin is largely unknown. Glicentin occurs in endocrine tumors arising in the distal intestine (rectal carcinoids) and in pancreatic islet cell tumors. Absorption with 10-100 µg glucagon and glicentin per ml diluted antiserum abolishes the staining, while secretin, GIP and VIP do not.

Positive control: formalin-fixed paraffin sections of pig pancreas.

Product images



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References

Publication	Species	Application
Böttcher, G., Sjöberg, J., Ekman, R., Håkanson, R. & Sundler, F. Peptide YY in the mammalian pancreas: immunocytochemical localization and immunochemical characterization. Regul. Pept. 43, 115–130 (1993).	mouse	IHC (frozen)
Sjölund, K., Sandén, G., Håkanson, R. & Sundler, F. Endocrine cells in human intestine: an immunocytochemical study. Gastroenterology 85, 1120–1130 (1983).	human	IHC (frozen)