Product datasheet

anti-Peptide YY guinea pig polyclonal, serum

Short overview

Cat. No.	16066
Quantity	50 µl (lyoph.)

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic porcine peptide YY (Peninsula)
Formulation	Lyophilized; reconstitute in 100 µl dist. water
UniprotID	A0A5F5XFU1 (Cat, Felis silvestris catus), Q9EPS2 (Mouse), P10631 (Rat)
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	Cat, Mouse, Rat

Applications

Immunocytochemistry (ICC)	1:1,500-1:2,500
Immunohistochemistry (IHC) - frozen	1:1,500-1:2,500
Immunohistochemistry (IHC) - paraffin	1:1,500-1:2,500 (microwave treatment recommended)

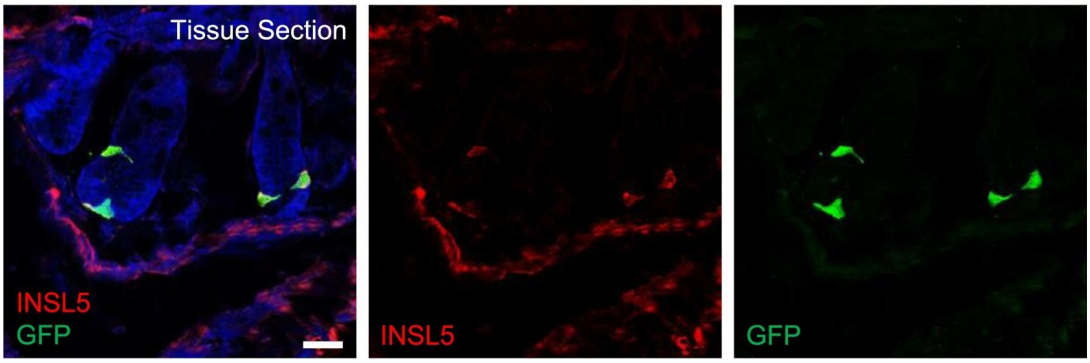
Background

The intestinal peptide YY is related to the PP-family of peptides and occurs in the glicentin cells in the gut. They are numerous in the rectum, colon, and ileum and few in the duodenum and jejunum. PYY has hormone-like action, inhibits gut motility and pancreatic exocrine secretion and cause vasoconstriction. PYY may occur in endorine tumors of the pancreas and of the rectum. Absorption with 10-100 ug immunogen per ml diluted antiserum abolishes the staining.Positive control: frozen sections of rat intestine.

Product images

anti-Peptide YY guinea pig polyclonal, serum

C



Billing, L. J., Smith, C. A., et al. Co-storage and release of insulin-like peptide-5, glucagon-like peptide-1 and peptideYY from murine and human colonic enteroendocrine cells. Mol Metab. 2018-10-01. Species/Reactant: Mus musculus (House mouse)Applications: Immunohistochemistry-paraffin-immunofluorescenceImage collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.

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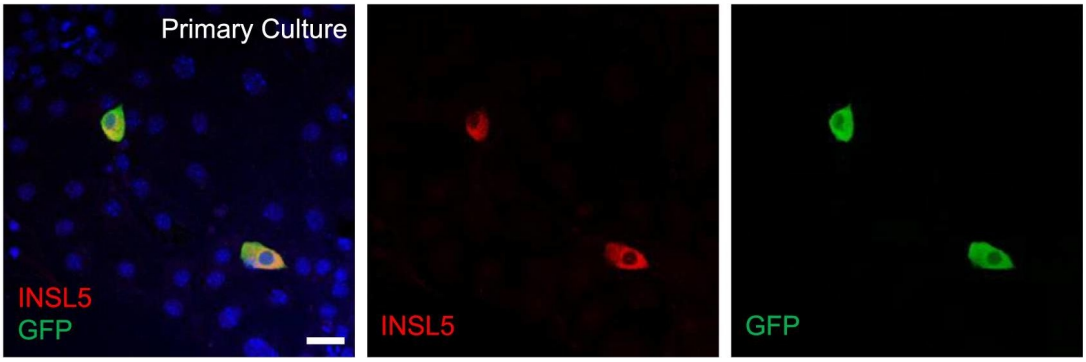

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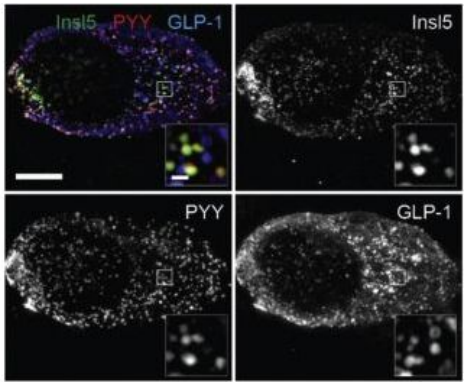

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References

Publication	Species	Application
Billing, L. et al. Single cell transcriptomic profiling of large intestinal enteroendocrine cells in mice - Identification of selective stimuli for insulin-like peptide-5 and glucagon-like peptide-1 co-expressing cells. Mol.Metab. 29, 158-169 (2019)	mouse	IF
Billing, L. et al. Co-storage and release of insulin-like peptide-5, glucagon-like peptide-1 and peptideYY from murine and human colonic enteroendocrine cells. Mol.Metab. 16, 65-75 (2018).	mouse	IHC-IF (frozen)
MyrsÃ©n-Axcrona, U., Ekblad, E. & Sundler, F. Developmental expression of NPY, PYY and PP in the rat pancreas and their coexistence with islet hormones. Regul. Pept. 68, 165â€“175 (1997).	rat	IHC (frozen)
BÃ¶ttcher, G., AhrÃ©n, B., Lundquist, I. & Sundler, F. Peptide YY: intrapancreatic localization and effects on insulin and glucagon secretion in the mouse. Pancreas 4, 282â€“8 (1989).	mouse	IHC (frozen)