

Product datasheet

anti-Insulin/Proinsulin guinea pig polyclonal, serum

Short overview

Cat. No.	16049
Quantity	50 µl (lyoph.)

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic human proinsulin
Formulation	Lyophilized; reconstitute in 100 µl dist. water
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)	1:1,000-1:2,000
Immunohistochemistry (IHC) - frozen	1:3,000-1:5,000 (PAP)
Immunohistochemistry (IHC) - paraffin	1:3,000-1:5,000 (PAP)

Background

Insulin is produced by the B-cells of the pancreatic islets and by insulin-producing islet cell tumors. Absorption with 10-100 ug proinsulin per ml diluted antiserum inactivates the antiserum, while C-peptide and insulin only partly reduce staining. Positive control: formalin-fixed paraffin sections of human pancreas.

Product images



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References

Publication	Species	Application
Al-Amily, I. et al. The functional impact of G protein-coupled receptor 142 (Gpr142) on pancreatic β-cell in rodent. Pflugers.Arch. 471, 633-645 (2019)	mouse	ICC-IF
Kohnert, K. D. et al. Islet neuronal abnormalities associated with impaired insulin secretion in type 2 diabetes in the Chinese hamster. Regul. Pept. 82, 71–9 (1999).	hamster	IHC (frozen)
Ahr�n, B. et al. Islet perturbations in rats fed a high-fat diet. Pancreas 18, 75–83 (1999).	rat	IHC
Myrs�n, U., Ahr�n, B. & Sundler, F. Neuropeptide Y is expressed in subpopulations of insulin- and non-insulin-producing islet cells in the rat after dexamethasone treatment: a combined immunocytochemical and in situ hybridisation study. Regul. Pept. 60	rat	IHC (frozen)