

Polyclonal Antibody to Pancreas Polypeptide - Serum

Catalog No.:	15-288-20091F
Quantity:	0.1 mg
Background:	<p>Pancreatic polypeptide (PP) is a 36 amino-acid residue peptide with sequence and 3-D structural homology with NPY and PYY. PP is the least conserved of the three peptides and was the first to be identified. It is almost exclusively expressed in the endocrine pancreas and released in response to cholinergic stimulation and food intake. PP has inhibitory effects on gall bladder secretion, intestinal motility and pancreatic secretion. PP may serve as a marker for certain gut endocrine tumors including carcinoid tumors.</p> <p>Pancreas Polypeptide is located in the pancreatic islets and in the exocrine pancreas. Useful for the diagnosis of tumors of pancreatic origin and of bronchial and rectal carcinoids.</p>
Host / Isotype:	Chicken
Immunogen:	Bovine pancreas polypeptide conjugated to BSA.
Format:	<p>State: Liquid Serum</p> <p>Buffer System: PBS containing 1% BSA as stabilizer and 0.09% Sodium Azide as preservative.</p>
Applications:	<p>Immunohistochemistry on Frozen and Paraffin Sections (No proteolytic treatment required).</p> <p>Recommended Positive Control: Pancreas.</p> <p>Immunocytochemistry.</p> <p>ELISA.</p> <p>Working dilution: 1/50-1/100.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>This antibody reacts to Pancreas Polypeptide.</p> <p>Species: Human, Bovine, Pig, Hamster and Rat.</p> <p>Others not tested.</p>
Storage:	<p>Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.</p> <p>Avoid repeated freezing and thawing.</p> <p>Shelf life: one year from despatch.</p>
General References:	<ol style="list-style-type: none">1. Kohnert KD et al: Islet neuronal abnormalities associated with impaired insulin secretion in type 2 diabetes in the Chinese hamster. <i>Regul Pept</i> 82, 71-79 (1999).2. Myrsen U et al: Beta cells are important for islet innervation: evidence from purified rat islet-cell grafts. <i>Diabetologia</i> 39, 54-59 (1996).3. Myrsen U et al: Neuropeptide Y is expressed in islet somatostatin cells of the hamster pancreas: a combined immunocytochemical and in situ hybridization study. <i>Regul Pept</i> 57,

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65-76 (1995).

4. Böttcher G et al: Peptide YY in the mammalian pancreas: immunocytochemical localization and immunochemical characterization. Regul Pept 43, 115-130 (1993).

5. El-Salhy M et al: Peptidergic innervation and endocrine cells in the human liver. Scand J Gastroenterol 28, 809-815 (1993).

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