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anti-PPY antibody (Internal Region)

Images



Publication



Overview

Quantity:	100 μg
Target:	PPY
Binding Specificity:	Internal Region
Reactivity:	Human, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This PPY antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Purpose:	Pancreatic Polypeptide / PPY
Immunogen:	Peptide with sequence C-TRPRYGKRHKEDT, from the internal region of the protein sequence according to NP_002713.1.
Sequence:	TRPRYGKRHK EDT
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	PPY
Alternative Name:	PPY (PPY Products)
Background:	PPY, pancreatic polypeptide, HGNC:9327, PNP, pancreatic polypeptide Y
Gene ID:	5539
NCBI Accession:	NP_002713
Pathways:	Feeding Behaviour

Application Details

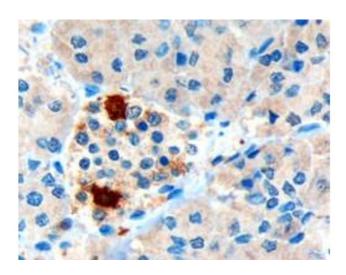
Application Details	
Application Notes:	Immunohistochemistry: In paraffin embedded Human Pancreas, shows strong cytoplasmic
	staining of rare cells located at the periphery of islets of Langerhans. Recommended
	concentration: 3 µg/mL. Paraffin embedded Human Pancreas and Intestine. Recommended co
	Western Blot: This antibody has been successfully used in WB on Human, PMID: 25445712.
	Peptide ELISA: antibody detection limit dilution 1:32000.
Comment:	Immunofluorescence: This antibody has been successfully used in IF on Human, PMID:
	27300574 and 30687234, and on Rat, PMID: 27472443.
	Flow Cytometry: Flow cytometric analysis of U2OS cells. Recommended concentration: 1
Restrictions:	For Research Use only
Handling	

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Product cited in:

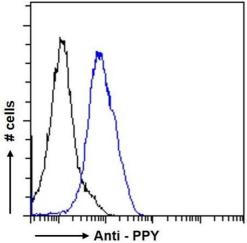
Md Moin, Cory, Ong, Choi, Dhawan, Butler, Butler: "Pancreatic Nonhormone Expressing Endocrine Cells in Children With Type 1 Diabetes." in: **Journal of the Endocrine Society**, Vol. 1, Issue 5, pp. 385-395, (2017) (PubMed).

Images



Immunohistochemistry

Image 1. ABIN185420 ($3\mu g/ml$) staining of paraffin embedded Human Pancreas. Microwaved antigen retrieval with Tris/EDTA buffer pH6, HRP-staining.



Flow Cytometry

Image 2. ABIN185420 Flow cytometric analysis of paraformaldehyde fixed U2OS cells (blue line), permeabilized with 0.5 % Triton. Primary incubation 1hr (10 μ g/mL) followed by Alexa Fluor 488 secondary antibody (1 μ g/mL). IgG control: Unimmunized goat IgG (black line) fol