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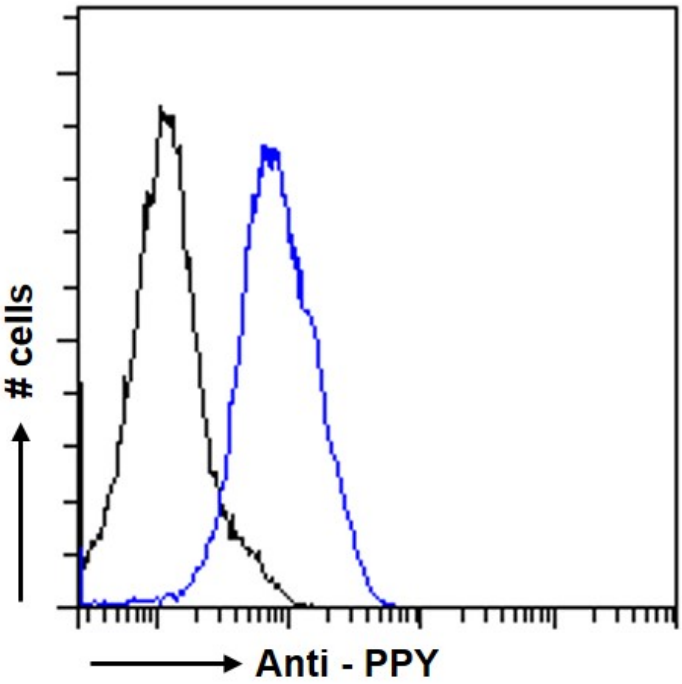
GOAT ANTI-PANCREATIC POLYPEPTIDE / PPY ANTIBODY

SKU: EB06805



SPECIFICATIONS

Formulation	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Unit Size	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	pancreatic polypeptide Y|PNP|HGNC:9327|pancreatic polypeptide|PPY
Usage Summary	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: 10ug/ml.
Accession ID	NP_002713.1; NP_001306138.1
Blocking Peptide	EBP06805

Immunogen	Peptide with sequence C-TRPRYGKRHKEDT, from the internal region of the protein sequence according to NP_002713.1; NP_001306138.1.
Peptide Sequence	C-TRPRYGKRHKEDT
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Mouse, Rat, Dog
Reactive Species	Human, Rat
Human Gene ID	5539
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png
IHC Results	In paraffin embedded Human Pancreas, shows strong cytoplasmic staining of rare cells located at the periphery of islets of Langerhans. Recommended concentration: 3µg/ml. Paraffin embedded Human Pancreas and Intestine. Recommended concentration: 5µg/ml. This antibody has been successfully used in IHC on Human, PMID: 26700560.
ELISA Detection Limit	Antibody detection limit dilution 1:32000.
Western Blot	This antibody has been successfully used in WB on Human, PMID: 25445712.
Application Type	Pep-ELISA, WB, IF, IHC, FC

SELECTED REFERENCES

[{"pmid": 27472443, "intro": "**This antibody has been successfully used in IF on Rat:**", "title":
"Increased Frequency of Hormone Negative \r\nand Polyhormonal Endocrine Cells in Lean\r\nIndi viduals With Type 2 Diabetes.", "author": "Md Moin AS, Dhawan S, Cory M, Butler PC, Rizza RA, Butler AE.", "journal": "J Clin Endocrinol Metab. 2016 Oct;101(10)"}, {"pmid": 27300574, "intro": "**This antibody has been successfully used in IF on Human:**", "title":
"Increased Hormone-Negative Endocrine Cells in the Pancreas in Type 1 Diabetes.", "author": "Md Moin AS, Dhawan S, Shieh C, Butler PC, Cory M, Butler AE", "journal": "J Clin Endocrinol Metab. 2016 Sep;101(9):3487-96."}, {"pmid": 30687234, "intro": "**This antibody has been successfully used in IF on Human:**", "title": "Characterization of Non-hormone Expressing Endocrine Cells in Fetal and Infant Human Pancreas", "author": "Abu Saleh Md Moin, Chiara Montemurro, Kylie Zeng, Megan Cory, Megan Nguyen, Shweta Kulkarni, Helga Fritsch, Juris J. Meier, Sangeeta Dhawan, Robert A. Rizza, Mark A. Atkinson and Alexandra E. Butler", "journal": "Front. Endocrinol., 09 January 2019 | https://doi.org/10.3389/fendo.2018.00791"}, {"pmid": 26700560, "intro": "**This antibody has been successfully used in IHC on Human:**", "title": "?-Cell Deficit in Obese Type 2 Diabetes, a Minor Role of ?-

Cell Dedifferentiation and Degranulation.", "author": "Butler AE, Dhawan S, Hoang J, Cory M, Zeng K, Fritsch H, Meier JJ, Rizza RA, Butler PC.", "journal": "J Clin Endocrinol Metab. 2016 Feb;101(2):523-32."}, {"pmid": 25445712, "intro": "**This antibody has been successfully used in Western blot on Human:**", "title": "Pancreatic polypeptide regulates glucagon release through PPYR1 receptors expressed in mouse and human alpha-cells.", "author": "F. Aragón, M. Karaca, A. Novials, R.Maldonadoa, P. Maechler, and B. Rubí.", "journal": "Biochim Biophys Acta. 2015 Feb;1850(2):343-51."}, {"pmid": 30842364, "intro": "**This antibody has been successfully used in the following paper:**", "title": "Development of monoclonal mouse antibodies that speci€cally recognize pancreatic polypeptide", "author": "Hara A, Nakagawa Y, Nakao K, Tamaki M, Ikemoto T, Shimada M, Matsuhisa M, Mizukami H, Maruyama N, Watada H, Fujitani Y", "journal": "Endocr J. 2019 Mar 6. doi: 10.1507/endocrj.EJ18-0441."}]

DOCUMENTS

- Data Sheet

GALLERY IMAGES