

PPYR1 Polyclonal antibody

Catalog Number: 21654-1-AP

Basic Information

Catalog Number: 21654-1-AP	GenBank Accession Number: BC096238	Purification Method: Antigen affinity purification
Size: 300 µg/ml	GeneID (NCBI): 5540	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P50391	
Isotype: IgG	Full Name: pancreatic polypeptide receptor 1	
Immunogen Catalog Number: AG16374	Calculated MW: 375 aa, 42 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human small intestine tissue,
Species Specificity: human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

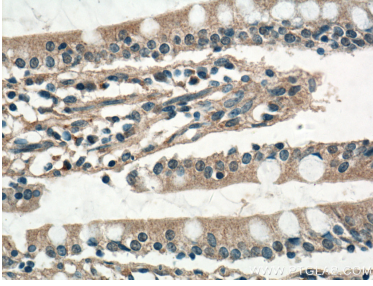
Background Information

PPYR1 (pancreatic polypeptide receptor 1), also known as NPY4R, is a member of the G-protein coupled receptor 1 family. PPYR1 is a receptor for the PP-fold peptides (pancreatic polypeptide, peptide YY, and neuropeptide Y) and pancreatic polypeptide is the preferred ligand (PMID: 12626767). It may be regulating central nervous system, cardiovascular and gastrointestinal function. It has been reported that PPYR1 gene is a key regulator of energy homeostasis (PMID: 12000791). PPYR1 gene copy number gain has been associated with lower body mass index (BMI) (PMID: 19229253).

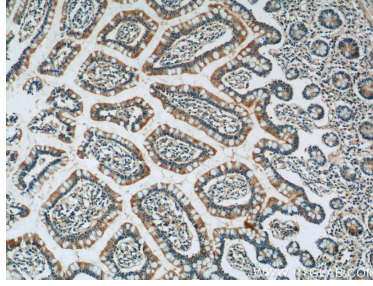
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 21654-1-AP (PPYR1 antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 21654-1-AP (PPYR1 Antibody) at dilution of 1:50 (under 10x lens).