

For Research Use Only

# PPYR1 Polyclonal antibody

Catalog Number: 21654-1-AP



## Basic Information

<b>Catalog Number:</b> 21654-1-AP	<b>GenBank Accession Number:</b> BC096238	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5540	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P50391	
<b>Isotype:</b> IgG	<b>Full Name:</b> pancreatic polypeptide receptor 1	
<b>Immunogen Catalog Number:</b> AG16374	<b>Calculated MW:</b> 375 aa, 42 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : human small intestine tissue,
<b>Species Specificity:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

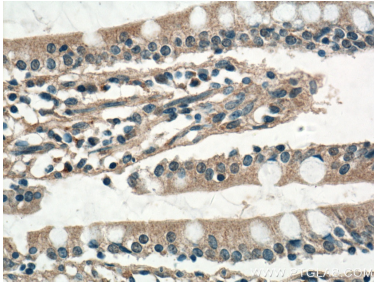
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

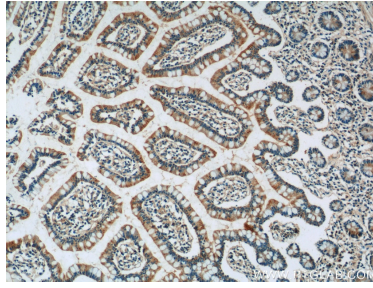
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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## Selected Validation Data



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).