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PRODUCT DATASHEET

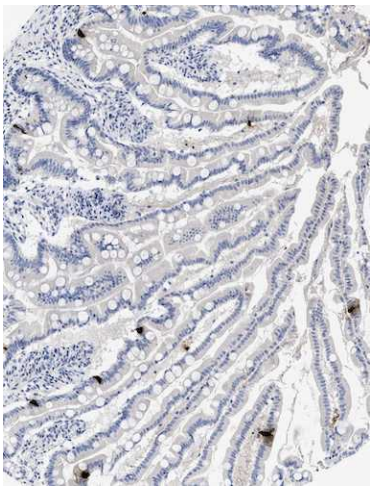
Anti-Peptide YY Antibody

Product Details

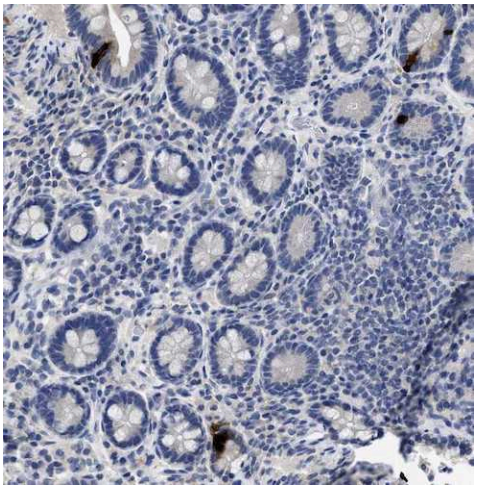
Available Variants	100 uL (SKU:ABS 029-01-010) 400 uL (SKU:ABS 029-01-04) 1000 uL (SKU:ABS 029-01-1)
Conjugate	Unconjugated
Isotype	IgG1/k
Clone	1
Gene Name	PYY
Host Species	Mouse
Concentration	1 mg/mL ±15%
Format	Protein A or Protein G purified
Physical State	Liquid
Buffer	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide
Production Notes	BSA free
Applications	ELISA, IHC
Species Reactivity	Human
Immunogen	Synthetic human PYY
Specificity	ABS 029-01 binds human PYY. Cross-reactivity with NPY or PP in solution is <0.1%.
Molecular Weight	10 kDa (preproprotein), 5 kDa (mature pepide)
Storage	2-8°C without exposure to light
UniProt ID	P10082 UniProt Summary: [Peptide YY]: Ligand for neuropeptide Y receptor type 1 (NPY1R) and neuropeptide Y receptor type 2 (NPY2R) (PubMed:1317848, PubMed:7592910, PubMed:36525977). Also binds NPY5R (By similarity). Receptor binding induces adenylate cyclase-inhibiting G protein-coupled

	receptor signaling, resulting in inhibition of cAMP production (PubMed:1317848, PubMed:7592910). Receptor activation by PYY also leads to an increase of intracellular Ca(2+) levels (PubMed:1317848, PubMed:36525977, PubMed:7592910). This gut peptide inhibits exocrine pancreatic secretion (By similarity). Involved in the regulation of colonic antisecretory tone, and colonic contractility (By similarity). {ECO:0000250|UniProtKB:P68005, ECO:0000250|UniProtKB:Q9EPS2, ECO:0000269|PubMed:1317848, ECO:0000269|PubMed:36525977, ECO:0000269|PubMed:7592910}.; [Peptide YY(3-36)]: Is a NPY2R agonist involved in the down-regulation of appetite and food intake, probably acting on receptors located on proopiomelanocortin(POMC)-releasing and neuropeptide Y(NPY)-releasing neurons in the arcuate nucleus of hypothalamus (PubMed:12167864). In NPY-releasing neurons, NPY2R activation by PYY(3-36) leads to membrane hyperpolarization and reduced release of the orexigenic neuropeptide NPY (By similarity). {ECO:0000250|UniProtKB:Q9EPS2, ECO:0000269|PubMed:12167864}.
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.
NCBI Gene ID	5697

Product Images



Immunohistochemistry detection of Peptide YY in human small intestine tissue using Anti-Peptide YY Antibody (Cat.ABS 029-01-010). Tissue was mounted and pariffin fixed. Heat induced antigen retrieval was performed using citrate buffer, heated, and then blocked. After washing, the primary antibody (Cat.ABS 029-01-010) was incubated with the sample.



Immunohistochemistry detection of Peptide YY in human small intestine tissue using Anti-Peptide YY Antibody (Cat.ABS 029-01-010). Tissue was mounted and pariffin fixed. Heat induced antigen retrieval was performed using citrate buffer, heated, and then blocked. After washing, the primary antibody (Cat.ABS 029-01-010) was incubated with the sample.