Peptide Yy (PYY) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Peptide YY (PYY), Polyclonal Antibody
Full Product Name	HRP-Linked Polyclonal Antibody to Peptide YY (PYY)
Product Gene Name	anti-PYY antibody
Product Synonym Names	PYY1; Peptide tyrosine tyrosine
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse, Rat
Concentration	500ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: PYY (MBS2014018) HRP Conjugated Antibody: PYY (MBS2051156)
Matching Pairs	HRP Conjugated Antibody: PYY (MBS2051156) Immunogen: PYY (MBS2018502)
Molecular Weight	10,360 Da
OMIM	D13897 Genomic DNA
3D Structure	ModBase 3D Structure for P10082
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	PYY (Pro30~Trp98)
Conjugation	HRP
Cross Reactivity	Rat
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2014018
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-PYY antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-PYY antibody	MBS2051156 is an antibody targeting PYY. Also known as HRP-Linked Polyclonal Antibody to Peptide YY (PYY). Reactive in Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-PYY antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PYY. It may not necessarily be applicable to this product.

NCBI GI #	300068956
NCBI GeneID	5697
NCBI Accession #	NP_004151.3

UniProt Primary Accession #	P10082
UniProt Secondary Accession #	Q5U5Q6; Q6FGH8
UniProt Related Accession #	P10082
GenBank Nucleotide #	NM_004160.5
NCBI Official Full Name	peptide YY preproprotein
NCBI Official Synonym Full Names	peptide YY
NCBI Official Symbol	PYY
NCBI Official Synonym Symbols	PYY1; PYY-I
UniProt Protein Name	Peptide YY
UniProt Synonym Protein Names	PYY-II
Protein Family	Peptide
UniProt Gene Name	PYY
UniProt Synonym Gene Names	PYY
NCBI Protein Information	peptide YY
NCBI Summary for PYY	This gene encodes a member of the neuropeptide Y (NPY) family of peptides. The encoded preproprotein is proteolytically processed to generate two alternative peptide products that differ in length by three amino acids. These peptides, secreted by endocrine cells in the gut, exhibit different binding affinities for each of the neuropeptide Y receptors. Binding of the encoded peptides to these receptors mediates regulation of pancreatic secretion, gut mobility and energy homeostasis. Rare variations in this gene could increase susceptibility to obesity and elevated serum levels of the encoded peptides may be associated with anorexia nervosa. [provided by RefSeq, Feb 2016]
UniProt Comments for PYY	PYY: This gut peptide inhibits exocrine pancreatic secretion, has a vasoconstrictory action and inhibitis jejunal and colonic mobility. Belongs to the NPY family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 17q21.31 Cellular Component: extracellular region; extracellular space Molecular Function: G-protein-coupled receptor binding; hormone activity; neuropeptide hormone activity; protein binding Biological Process: cell motility; cell proliferation; cell-cell signaling; cytoskeleton organization and biogenesis; digestion; feeding behavior; G-protein coupled receptor protein signaling pathway; neuropeptide signaling pathway; regulation of appetite Disease: Obesity
Research Articles on PYY	**1.** In male GERD patients, EE was associated with significantly higher PYY levels [107.0 (55.0-120.8) vs. 32.8 (28.7-84.5) pg/ml, p = 0.026] but lower adiponectin levels [6.7 (5.6-9.3) vs. 9.9 (9.6-10.6) mug/ml, p = 0.034] than NE
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