



BMA BIOMEDICALS



Peninsula Laboratories

T-4092

Rabbit anti Peptide YY (canine, mouse, porcine, rat) [UniProt: P68004, Q9EPS2, P68005, P10631]

Peptide YY (PYY), also known as peptide tyrosine tyrosine, is a 36-amino acid peptide related to the pancreatic polypeptide (PP) family, with 18 of its 36 amino acids located in the same positions as pancreatic polypeptide. The two major forms of peptide YY are PYY₁₋₃₆ and PYY₃₋₃₆, which have PP fold structural motifs. PYY is released from cells in the ileum and colon in response to feeding, and exerts its action through neuropeptide Y (NPY) receptors. It has been shown to reduce appetite and may suppress pancreatic secretion.

This antibody was generated by immunization of rabbits with Peptide YY coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	n/a
Host species:	Rabbit IgG
Quantity:	50ml
Format:	This polyclonal antibody is supplied as a lyophilized powder. The powder should be rehydrated with 50ml of RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Store at 4° - 8°C. This should ensure antibody stability for approximately one month.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Applications:	This antibody has been tested and validated in ELISA against Peptide YY. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.
Immunogen:	Synthetic peptide H-Tyr-Pro-Ala-Lys-Pro-Glu-Ala-Pro-Gly-Glu-Asp-Ala-Ser-Pro-Glu-Glu-Leu-Ser-Arg-Tyr-Tyr-Ala-Ser-Leu-Arg-His-Tyr-Leu-Asn-Leu-Val-Thr-Arg-Gln-Arg-Tyr-NH ₂ coupled to a carrier protein.

Cross-Reactivity:

PEPTIDE	%
Peptide YY (canine, mouse, porcine, rat)	100
Peptide YY (13-36) (canine, mouse, porcine, rat)	100
Peptide YY (human)	9
Neuropeptide Y (human, rat)	<0.1
Pancreatic Polypeptide (human)	<0.01
Galanin (human)	0
Pancreatic Polypeptide (avian)	0
VIP (human, bovine, porcine, rat)	0
Substance P	0
Met-Enkephalin	0
Glucagon (1-29) (human, bovine, porcine)	0
Secretin (porcine)	0

Cross-Reactivity data is taken from Radioimmunoassay applications.

Related Products:	T-4090: anti Peptide YY, diluted antiserum (ca, ms, po, rt)
	T-4094: anti Peptide YY, neat antiserum (ca, ms, po, rt)
	T-4093: anti Peptide YY, purified IgG (ca, ms, po, rt)
	S-1274: ELISA, extraction-free for serum and plasma samples

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

T-4092

diluted antiserum

20.10.2020