BMA BIOMEDICALS

Peninsula Laboratories

Rabbit anti Peptide YY

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

Catalog Number: T-4090 (Lot A14313)

Clonality: Polyclonal

Host species: Rabbit

Reactivity: Mouse, Rat, Porcine, Others

Quantity: 1.0 ml

Format: Diluted antiserum, lyophilized. This stock solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN3, and 0.1% Triton X-100.

Reconstitute by adding 1.0 ml of distilled water.

Stability and Storage: Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.

Immunogen: Synthetic peptide H-Tyr-Pro-Ile-Lys-Pro-Glu-Ala-Pro-Gly-Glu-Asp-Ala-Ser-Pro-Glu-Glu-Leu-Asn-Arg-Tyr-Tyr-Ala-Ser-Leu-Arg-His-Tyr-Leu-Asn-Leu-Val-Thr-Arg-Gln-Arg-Tyr-NH2 coupled to carrier protein.

Protein database: canis familiaris-P68004, mouse-Q9EPS2, pig-P68005, rat-P10631

Cross-Reactivity:

PEPTIDE	%
Peptide YY (human)	100
Peptide YY (3-36) (human)	100
Peptide YY (13-36) (canine, mouse, porcine, rat)	100
Neuropeptide Y (human, rat)	0
Neuropeptide Y (porcine)	0

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Cross-Reactivity:

PEPTIDE	%
Pancreatic Polypeptide (human)	0
Amylin (human)	0
Insulin (human)	0
Glucagon (1-29) (human, bovine, porcine)	0
Substance P	0

Applications:

Tested 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 **bma.ch** for protocols and general information.

Related Products:

S-1151: ELISA high sensitivity for extracted samples, (hu)
S-1272: ELISA extraction-free for human serum and plasma samples
T-4091: Rabbit anti Peptide YY, neat antiserum, (hu)
T-4113: Rabbit anti Peptide YY, purified IgG, (hu)

This product contains sodium azide as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.

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