



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-4094 (Lot A16474)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Mouse, Rat
Quantity:	50 µl
Format:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50 µl distilled water. This will give the equivalent of undiluted antiserum.
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-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 carrier protein.
Protein database:	<u>mouse-Q9EPS2</u>

Cross-Reactivity:

PEPTIDE:	%:
PYY (canine, mouse, porcine, rat)	100
PYY (13-36) (canine, mouse, porcine, rat)	100
PYY (human)	9

Cross-Reactivity:
PEPTIDE:

%:

PYY (3-36) (human)	7
NPY (human, rat)	0.1
Pancreatic Polypeptide (human)	0.01
Pancreatic Polypeptide (avian)	0
Met-Enkephalin	0
Galanin (human)	0
Glucagon (1-29) (human, bovine, porcine)	0
Secretin (porcine)	0
Substance P	0
VIP (human, bovine, porcine, rat)	0

Applications:

Tested in immunohistochemistry (IHC) and ELISA against Peptide YY. Other applications like 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.

Approximate working dilution for IHC:

Frozen sections: not tested yet.

Paraffin sections: 1:500; recommended Proteinase K pre-treatment.

Related Products:

T-4092: anti Peptide YY, diluted 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

S-1150: ELISA, ELISA, high sensitivity for extracted samples

This product contains no preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.