



BMA BIOMEDICALS



Peninsula Laboratories

T-4093

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

Peptide YY (PYY), also known as peptide tyrosin bulke 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.

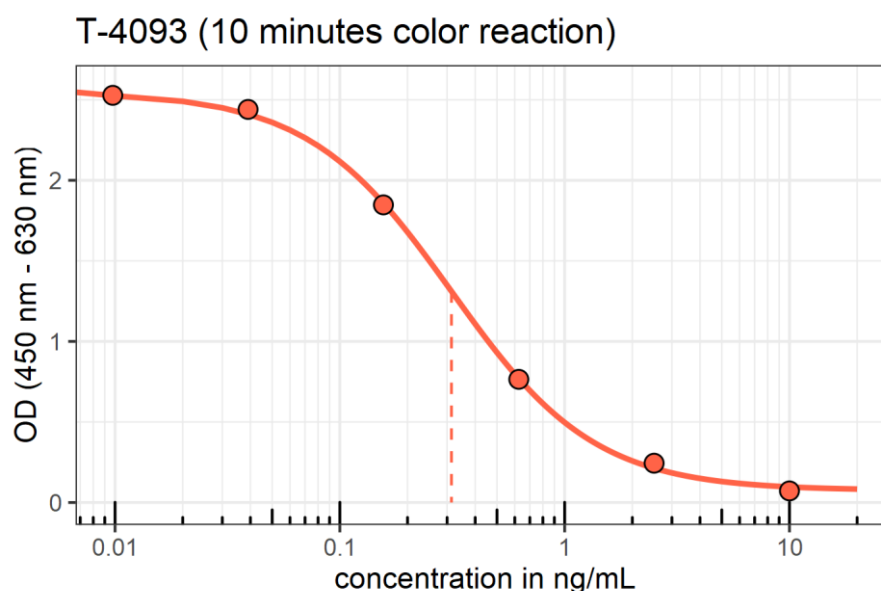
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18PO22117
Host species:	Rabbit IgG
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffered saline pH 7.4 (PBS), 6mg/ml BSA as a stabilizer, and 0.05% (w/v) ProClin™ 150 as a preservative.
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 in in ELISA against Peptide YY and in immunohistochemistry (IHC). Other applications like FACS or Western Blot may work as well. Please see www.bma.ch for protocols and general information.
	Approximate working dilution for IHC: Paraffin sections: (1:200) after proteinase K pretreatment. Optimal dilutions should be determined by the end user.
Immunogen:	Synthetic peptide H-Ser-Leu-Arg-Arg-Ser-Ser-Cys-Phe-Gly-Gly-Arg-Ile-Asp-Arg-Ile-Gly-Ala-Gln-Ser-Gly-Leu-Gly-Cys-Asn-Ser-Phe-Arg-Tyr-OH, (Disulfide bond) coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
PYY (porcine, rat)	100
PYY (13-36) (porcine, rat)	100
PYY (human)	9
NPY (human)	<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 (human)	0
Secretin (porcine)	0

Typical titration curve of Peptide YY in a competitive ELISA with this antibody:



Related Products:

T-4092: anti Peptide YY, diluted antiserum (ca, ms, po, rt)
T-4094: anti Peptide YY, neat antiserum (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 ProClin™ 150 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.

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31.10.2022