



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Neuropeptide Y

Neuropeptide Y (NPY) is a 36-amino acid neuropeptide known to be involved in several physiological and homeostatic processes in the both central and peripheral nervous system. It is the most abundant peptide present in the mammalian central nervous system and it is synthesized in GABAergic neurons, acting as neurotransmitter during cellular communication.

This antibody was generated by immunization of rabbits with Neuropeptide Y coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4452 (Lot 031215-8)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Bovine, porcine
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% NaN ₃ , 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-Ser-Lys-Pro-Asp-Asn-Pro-Gly-Glu-Asp-Ala-Pro-Ala-Glu-Asp-Met-Ala-Arg-Tyr-Tyr-Ser-Ala-Leu-Arg-His-Tyr-Ile-Asn-Leu-Ile-Thr-Arg-Gln-Arg-Tyr-NH ₂ coupled to carrier protein.
Protein database:	<u>bovine-Q6RUW3</u> , <u>porcine-P01304</u>

Cross-Reactivity:

PEPTIDE	%
NPY (porcine)	100
NPY (human, rat)	100
NPY (13-36) (porcine)	100
NPY (16-36) (porcine)	100

Cross-Reactivity:

PEPTIDE	%
NPY (18-36) (porcine)	100
NPY (20-36) (porcine)	100
NPY (22-36) (porcine)	1.5
NPY (26-36) (porcine)	0
Peptide YY (porcine, rat)	100
Pancreatic Polypeptide (human)	1.6
VIP (human, bovine, ovine, rat)	0
Amylin (free acid) (human)	0
Insulin (human)	0
Somatostatin-14	0

Applications:

Tested in ELISA against NPY. 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:

T-4070: Rabbit anti Neuropeptide Y, neat antiserum, (hu, ms, rt)

T-4069: Rabbit anti Neuropeptide Y, purified IgG, (hu, ms, rt)

S-1145: ELISA, high sensitivity for extracted samples, (hu, bo)

T-4068: Rabbit anti Neuropeptide Y, diluted antiserum, (hu, ms, rt)

S-1346: ELISA, extraction-free for human seruma and plasma samples

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