



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4453

### Rabbit anti Neuropeptide Y (bovine, porcine) [Uniprot: Q6RUW3, P01304]

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.

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A13654
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	400µg
<b>Format:</b>	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 buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
<b>Stability:</b>	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.
<b>Applications:</b>	This antibody has been tested and validated in ELISA against Neuropeptide Y. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	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 <sub>2</sub> coupled to carrier protein.

## Cross-Reactivity:

PEPTIDE:	%:
NPY (porcine)	100
NPY (human, rat)	100
NPY (13-36) (porcine)	100
NPY (16-36) (porcine)	100
NPY (18-36) (porcine)	100
NPY (20-36) (porcine)	100
NPY (22-36) (porcine)	1.5
NPY (26-36) (porcine)	0
PYY (porcine, rat)	100
Pancreatic Polypeptide (human)	1.6
VIP (human, bovine, porcine, rat)	0
Amylin (free acid) (human)	0
Insulin (human)	0
Somatostatin-14	0

Related Products:	T-4070: anti Neuropeptide Y (hu, ms, rt), neat antiserum
	T-4069: anti Neuropeptide Y (hu, ms, rt), purified IgG
	T-4452: anti Neuropeptide Y (bo, po), diluted antiserum
	T-4068: anti Neuropeptide Y (hu, bo), diluted antiserum for RIA
	S-1346: ELISA, extraction-free for human samples

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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.

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rabbit IgG

4.6.2020