



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4068

### Rabbit anti Neuropeptide Y (human, mouse, rat) [UniProt: P01303, P57774, P07808]

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>	n/a
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	50ml diluted antiserum, lyophilized
<b>Format:</b>	Each vial contains enough antiserum for 500 RIA tubes. The powder should be rehydrated with 50ml RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN <sub>3</sub> , and 0.1% Triton X-100. Store at 4°C. This should ensure antibody stability for approximately one month.
<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:**

<b>PEPTIDE:</b>	<b>%</b>
NPY (human, rat)	100
NPY (porcine)	100
PYY (porcine, rat)	0
Pancreatic Polypeptide (human)	3
VIP (human, Bovine, porcine, rat)	0
Amylin (free acid) (human)	0
Prepro NPY (human)	0
Insulin (human)	0
Somatostatin-14	0

**Related Products:**

T-4070: anti Neuropeptide Y (hu, ms, rt), neat antiserum  
S-1145: ELISA, high sensitivity for extracted samples  
T-4452: anti Neuropeptide Y (bo, po), diluted antiserum  
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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diluted antiserum

1.3.2021

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