



BMA BIOMEDICALS



Peninsula Laboratories

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## Rabbit anti Neuropeptide Y

Neuropeptide Y (NPY) is a 36 amino acid neuropeptide known to be involved in several physiological and homeostatic processes in both the 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 a neurotransmitter in 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>Catalog Number:</b>	T-4070 (A18PO24057)
<b>Clonality:</b>	Polyclonal
<b>Host species:</b>	Rabbit
<b>Quantity:</b>	50 µl
<b>Format:</b>	Neat undiluted antiserum, lyophilized. Reconstitute by adding 50 µl of distilled water. Avoid vortexing. This will give the equivalent of undiluted antiserum.
<b>Stability:</b>	Original vial: 1 year at 4°- 8°C. Stock solution or aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
<b>Immunogen:</b>	Synthetic peptide H-His-Ser-Asp-Ala-Val-Phe-Thr-Asp-Asn-Tyr-Thr-Arg-Leu-Arg-Lys-Gln-Met-Ala-Val-Lys-Lys-Tyr-Leu-Asn-Ser-Ile-Leu-Asn-NH <sub>2</sub> coupled to a carrier protein.
<b>Protein database:</b>	<a href="#">human-P01303</a> , <a href="#">mouse-P57774</a> , <a href="#">rat-P07808</a>

#### Cross-Reactivity:

PEPTIDE:	%:
NPY (human, rat)	100
NPY (porcine)	100
Pancreatic Polypeptide (human)	3
PYY (porcine, rat)	0
VIP (human, bovine, porcine, rat)	0
Amylin (acid free) (human)	0
Prepro NPY (68-97) (human)	0
Insulin (human)	0
Somatostatin-14	0

**Applications:**

Tested in immunohistochemistry (IHC) and in ELISA. Other applications like IF, FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.

Please see [www.bma.ch](http://www.bma.ch) for protocols and general information.

**Approximate working dilution for IHC:**

Frozen sections: not tested yet.

Paraffin sections: 1:1000; Proteinase K pretreatment for antigen retrieval is recommended.

**Related Products:**

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

S-1346: ELISA extraction-free for human plasma samples

T-4453: Rabbit anti Neuropeptide Y, purified IgG, (hu, ms, rt)

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

T-4070

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