



BMA BIOMEDICALS



Peninsula Laboratories

T-4069

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.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product Number:	T-4069
Lot:	A18PO23047
Host species, isotype:	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 buffer saline pH 7.4 (PBS), 6mg/ml BSA as a stabilizer, and 0.05% (w/v) ProClin™ 150 as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C from date of delivery. Stock solution and aliquots thereof: at -20°C. Avoid repeated thawing and freezing.
Applications:	Tested in immunohistochemistry (IHC) and in ELISA. Other applications like FACS or Western Blot may work as well. Approximate working dilution for IHC: Paraffin sections: (1:800); Proteinase K pretreatment for antigen retrieval is recommended. Frozen sections: not tested. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.

Immunogen: Synthetic peptide H-Tyr-Pro-Ser-Lys-Pro-Asp-Asn-Pro-Gly-Glu-Asp-AlaPro-Ala-Glu-Asp-Met-Ala-Arg-Tyr-Tyr-Ser-Ala-Leu-Arg-His-Tyr-Ile-AsnLeu-Ile-Thr-Arg-Gln-Arg-Tyr-NH₂ coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
NPY (human, rat)	100
NPY (porcine)	100
PYY (porcine, rat)	0
Pancreatic Polypeptide (human)	3
VIP (human, bovine, porcine, mouse, rat)	0
Amylin (free acid) (human)	0
Prepro NPY (68-97) (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
T-4068: anti Neuropeptide Y (hu, bo), diluted antiserum for RIA
S-1346: ELISA, extraction-free for human 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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08.06.2023