



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Neuromedin U-23

Neuromedin U is a highly conserved neuropeptide found in the brain of humans and other mammals. It is known to have diverse functions including contraction of smooth muscle, regulation of blood pressure, pain perception, appetite, bone growth, and hormone release. Neuromedin U exists as multiple isoforms such as U-25 in humans and U-23 in rats. Like many neuroactive peptides, Neuromedin U is amidated at the C-terminus, and all isoforms have identical C-terminal heptapeptides.

This antibody was generated by immunization of rabbits with Neuromedin U-23 coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4777 (Lot 040217)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Rat
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-Lys-Val-Asn-Glu-Tyr-Gln-Gly-Pro-Val-Ala-Pro-Ser-Gly-Gly-Phe-Phe-Leu-Phe-Arg-Pro-Arg-Asn-NH ₂ coupled to carrier protein.
Protein database:	<u>rat-P12760</u>

Cross-Reactivity:

PEPTIDE	%
Neuromedin U-23 (rat)	100
Neuromedin U-8 (porcine)	100
Neuromedin U-25 (porcine)	100
Neuromedin U-25 (human)	100
Neuromedin N	0

Cross-Reactivity:

PEPTIDE	%
Neuromedin B	0
Neuromedin C / GRP (18-27) (human, porcine, canine)	0
Pancreatic Polypeptide (human)	0
VIP (human, bovine, porcine, rat)	0
Ghrelin (human)	0

Applications:

Tested in ELISA against Neuromedin U-23. 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:

S-1254: ELISA, high sensitivity for extracted samples

T-4779: Rabbit anti Neuromedin U-23, neat antiserum

T-4778: Rabbit anti Neuromedin U-23, purified IgG

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