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-4778 (Lot 022511)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Human
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative. Reconstitute by adding 0.2ml 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-NH2 coupled to carrier protein.
Protein database:	rat-P12760

Cross-Reactivity:

PEPTIDE:	%:
Neuromedin U-23 (rat)	100
Neuromedin U-8 (porcine)	100
Neuromedin U-25 (porcine)	100

©2024 BMA BIOMEDICALS, Rheinstrasse 28-32, CH-4302 Augst, Switzerland
Phone: +41 61 811 6222, Email: info@bma.ch, www.bma.ch

Cross-Reactivity:

PEPTIDE:	%:
Neuromedin U-25 (human)	100
Neuromedin N	0
Neuromedin B	0
Neuromedin C	0
Pancreatic Polypeptide (human)	0
VIP (human, bovine, porcine, rat)	0
Ghrelin (human)	0
Antho-Rwamide II	0

Applications:

Tested in ELISA against Neuromedin U-23 and in immunohistochemistry (IHC). Other applications like FACS and Western blot may work as well.

Approximate working dilution for IHC:
Paraffin sections: (1:800); pretreatment with Proteinase K for antigen retrieval is recommended.

Optimal dilutions should be determined by the end user.

Please see **www.bma.ch** for protocols and general information

Related Products:

T-4777 : anti Neuromedin U-23, diluted antiserum
T-4779: anti Neuromedin U-23, neat antiserum
S-1254: ELISA, high sensitivity for extracted samples

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

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