



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Prepro-Neuromedin S (70-103)

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 Prepro-Neuromedin S (70-103) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4831 (Lot A02856)
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-Phe-Leu-Phe-His-Tyr-Ser-Arg-Thr-Gln-Glu-Ala-Thr-His-Pro-Val-Lys-Thr-Gly-Phe-Pro-Pro-Val-His-Pro-Leu-Met-His-Leu-Ala-Ala-Lys-Leu-Ala-Asn-OH coupled to a carrier protein.
Protein database:	n/a

Cross-Reactivity:

PEPTIDE:	%:
Prepro-Neuromedin S (70-103) (human)	100
Prepro-Neuromedin U (104-136) (human)	0
Neuromedin S (human)	0
Neuromedin U-25 (human)	0
Neuropeptide Y (human, rat)	0
Neurotensin	0

Cross-Reactivity data is taken from Radioimmunoassay applications

Applications:

Tested in ELISA against Prepro-Neuromedin S (70-103) 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-4765: anti Neuromedin U-25, diluted antiserum
- T-4767: anti Neuromedin U-25, neat antiserum
- T-4766: anti Neuromedin U-25, purified IgG
- T-4818: anti Prepro Neuromedin U (104-136), 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.