



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4831

### Rabbit anti Prepro-Neuromedin S (70-103) (human)

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.

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A02856
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	400µg
<b>Format:</b>	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), and 0.02% (w/v) Thimerosal as a preservative.
<b>Stability:</b>	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
<b>Applications:</b>	This antibody has been tested and validated in ELISA against Prepro-Neuromedin S (70-103). Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	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.

**Cross-Reactivity:**

<b>PEPTIDE:</b>	<b>%:</b>
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

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

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This product contains Thimerosal 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.

T-4831

rabbit IgG

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