



BMA BIOMEDICALS



Peninsula Laboratories

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**T-4444**

## **Rabbit anti Neurokinin A**

Neurokinin A (KNA) is a 10-amino acid neuropeptide neurotransmitter that belongs to the tachykinin family. It is an important contributor to nociceptive processing, satiety, and smooth muscle contraction. Tachykinins are also known to be excitatory neurotransmitters with effects on mammalian nervous. They also influence mammalian inflammatory and pain responses.

This antibody was generated by immunization of rabbits with Neurokinin A coupled to a carrier protein.

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### **TECHNICAL AND ANALYTICAL CHARACTERISTICS**

<b>Lot number:</b>	A16473
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	50µl
<b>Format:</b>	Diluted antiserum for RIA, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
<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 Neurokinin A. 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-His-Lys-Thr-Asp-Ser-Phe-Val-Gly-Leu-Met-NH <sub>2</sub> coupled to carrier protein.

**Cross-Reactivity:**

<b>PEPTIDE:</b>	<b>%:</b>
Neurokinin A	100
Kassinin	100
Neuropeptide K (porcine)	100
Neurokinin B	80
Substance P	0.05
Physalaemin	0.02
Neuropeptide Y (porcine)	0
Neuromedin B	0
ACTH (1-39) (human)	0
(Arg <sup>8</sup> )-Vasopressin	0

Related Products:           S-1218: ELISA, high sensitivity for extracted samples  
                                  T-4445: anti Neurokinin A, purified IgG  
                                  T-4446: anti Neurokinin A, neat antiserum

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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.

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diluted antiserum for RIA

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