



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4609

### Rabbit anti Dendroaspis Natriuretic Peptide [UniProt: P28374]

Dendroaspis natriuretic peptide (DNP) is a 38-residue peptide and a member of natriuretic peptide family. It is structurally similar to the atrial natriuretic peptide (ANP), brain natriuretic peptide (BNP), and C-type natriuretic peptide (CNP) and possesses biologic properties similar to these natriuretic peptides.

This antibody was generated by immunization of rabbits with Dendroaspis Natriuretic Peptide coupled to a carrier protein.

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	020410
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	50ml diluted antiserum, lyophilized
<b>Format:</b>	Each vial contains enough antiserum for 500 RIA tubes. The powder should be rehydrated with 50ml RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN <sub>3</sub> , and 0.1% Triton X-100. Store at 4°C. This should ensure antibody stability for approximately one month.
<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 Dendroaspis Natriuretic Peptide. 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-Glu-Val-Lys-Tyr-Asp-Pro-Cys-Phe-Gly-His-Lys-Ile-Asp-Arg-Ile-Asn-His-Val-Ser-Asn-Leu-Gly-Cys-Pro-Ser-Leu-Arg-Asp-pro-Arg-Asn-Ala-Pro-Ser-Thr-Ser-Ala-OH (Disulfide Bridge: C7-C23) coupled to carrier protein.

**Cross-Reactivity:**

<b>PEPTIDE:</b>	<b>%</b>
Dendroaspis Natriuretic Peptide	100
$\alpha$ -ANP (1-28) (human, canine)	0
Pro- ANF (56-97) (human)	0
BNP-32 (human)	0
BNP-32 (canine)	0
BNP-32 (porcine)	0
BNP-45 (rat)	0
CNP (32-53) (human, porcine, rat)	0
Thr-Ala-Pro-Arg-ANF (1-28) (human)	0

Related Products: T-4610: Rabbit anti Dendroaspis Natriuretic Peptide, 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

1.3.2021