BMA BIOMEDICALS

Peninsula Laboratories

# Rabbit anti Dendroaspis Natriuretic Peptide

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.

## TECHNICAL AND ANALYTICAL CHARACTERISTICS

**Catalog Number:** T-4609 (Lot 020410)

**Clonality:** Polyclonal

**Host species:** Rabbit

**Reactivity:** Human

**Quantity:** 1.0 ml

**Format:** Diluted antiserum, lyophilized. This stock solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN3, and 0.1% Triton X-100.

Reconstitute by adding 1.0 ml 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-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.

**Protein database:** human-P28374

**Cross-Reactivity:**

| PEPTIDE | % |
|---|---|
| Dendroaspis Natriuretic Peptide | 100 |
| α-ANP (1-28) (human, canine) | 0 |
| Pro- ANF (56-97) (human) | 0 |
| BNP-32 (human) | 0 |
| BNP-32 (canine) | 0 |

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**Cross-Reactivity:**

| PEPTIDE | % |
|---|---|
| BNP-32 (porcine) | 0 |
| BNP-45 (rat) | 0 |
| CNP (32-53) (human, porcine, rat) | 0 |
| Thr-Ala-Pro-Arg-ANF (1-28) (human) | 0 |

**Applications:**

Tested 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 **bma.ch** for protocols and general information.

**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. Not for diagnostic or therapeutic applications.

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