



BMA BIOMEDICALS



Peninsula Laboratories

T-5003

Guinea pig anti α -Atrial Natriuretic Factor (1-28) (human, bovine, porcine) [UniProt: P01160, P07501, P24259]

Atrial Natriuretic Factor (ANF) is a 28 amino acid peptide hormone secreted mainly by the heart atria in response to atrial stretch. ANF acts on the kidney to increase sodium excretion and glomerular filtration rate (GFR), to antagonize renal vasoconstriction, and to inhibit renin secretion.

This antibody was generated by immunization of guinea pigs with Atrial Natriuretic Factor (1-28) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	n/a
Host species:	Guinea pig
Quantity:	50ml
Format:	This polyclonal antibody is supplied as a lyophilized powder. The powder should be rehydrated with 50ml of 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 ₃ , and 0.1% Triton X-100. Store at 4° - 8°C. This should ensure antibody stability for approximately one month.
Stability:	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.
Applications:	This antibody has been tested and validated in ELISA against α -Atrial Natriuretic Factor. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.
Immunogen:	Synthetic peptide H-Ser-Leu-Arg-Arg-Ser-Ser-Cys-Phe-Gly-Gly-Arg-Ile-Asp-Arg-Ile-Gly-Ala-Gln-Ser-Gly-Leu-Gly-Cys-Asn-Ser-Phe-Arg-Tyr-OH, (Disulfide bond) coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
α -ANP (1-28) (human)	100
ANF (1-28) (rat)	100
ANP (1-28) (eel)	100
ANP 1-28 (Dimer, Antiparallel) (human)	100
Thr-Ala-Pro-Arg-ANP (1-28) (human)	100
γ -ANP (1-25) (human)	0
α -ANP (1-29) (chicken)	0
BNP-32 (human)	0
CNP (32-53) (porcine)	0
Endothelin-1 (human, porcine, canine, rat, mouse, bovine)	0

Related Products: S-1131: ELISA (hu, bo, po), high sensitivity for extracted samples
S-1132: ELISA (ms, rb, rt), high sensitivity for extracted samples
T-4010: rabbit anti ANF (1-28) (hu, bo, po), purified IgG
T-4013: rabbit anti ANF (1-28) (ms, rb, rt), diluted antiserum
T-4015: rabbit anti ANF (1-28) (ms, rb, rt), neat antiserum
T-5004: guinea pig anti ANF (1-28) (hu, bo, po), neat antiserum

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 - hu, bo, po

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