



BMA BIOMEDICALS



Peninsula Laboratories

Guinea pig anti α -Atrial Natriuretic Factor (1-28)

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

Catalog Number:	T-5003 (Lot n/a)
Clonality:	Polyclonal
Host species:	Guinea pig
Reactivity:	Human, porcine, bovine
Quantity:	1.0ml
Format:	Diluted antiserum, lyophilized. This stock 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.
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-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.
Protein database:	<u>Human-P01160</u> , <u>porcine-P24259</u> , <u>bovine-P07501</u>
Applications:	Tested in ELISA against α -Atrial Natriuretic Factor (1-28). Other applications like immunohistochemistry (IHC), FACS, and 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

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

This product contains sodium azide as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.