



BMA BIOMEDICALS



Peninsula Laboratories

T-4010

Rabbit anti Atrial Natriuretic Factor (1-28) (human, bovine, porcine) [UniProt: P01160, P07501, P46197]

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

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A16277
Host species:	Rabbit IgG
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
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 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-Met-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:	%:
ANF (1-28) (human)	100
ANF (1-28) (rat)	100
ANF (8-33) (rat)	100
Atriopeptin III (rat)	100
ANP 1-28 (dimer, antiparallel) (human)	100
Urodilatin	100
Auriculin A (rat)	100
ANF (4-28) (human)	100
ANF (7-28) human)	100
ANF-21 (frog)	<0.4
BNP-26 (porcine)	<0.01
ANF (1-11) (human)	0
γ -ANP 1-25 (human)	0
Endothelin-1 (human, porcine, bovine, mouse, rat)	0
BNP-32 (human)	0
BNP-45 (rat)	0
CNP (32-53) (human, porcine, rat)	0

Related Products: T-4011: anti-ANF (1-28) (hu, bo, po), neat antiserum
S-1131: ELISA, (hu, bo, po), high sensitivity for extracted samples
T-4013: anti ANF (1-28) (ms, rb, rt), diluted antiserum
T-4015: anti ANF (1-28) (ms, rb, rt), 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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rabbit IgG – hu, bo, po

4.6.2020