



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4014

### Rabbit anti Atrial Natriuretic Factor (1-28) (mouse, rat) [UniProt: P05125, P01161]

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 rabbits with Atrial Natriuretic Factor (1-28) (ms, rb, rt) coupled to a carrier protein.

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A18PO22024
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	400µg
<b>Format:</b>	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 buffered saline pH 7.4 (PBS), 6mg/ml BSA as a stabilizer, and 0.05% (w/v) ProClin 150 as a preservative.
<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 in immunohistochemistry (IHC). Other applications like ELISA, FACS or Western Blot may work as well. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
	<b>Approximate working dilution for IHC:</b> Paraffin sections: (1:800) after proteinase K pretreatment. Optimal dilutions should be determined by the end user.
<b>Immunogen:</b>	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:	%:
Atrial Natriuretic Factor (ANF) (1-28) (human, bovine, porcine)	100
ANF (1-28) (mouse, rabbit, rat)	100
ANF (8-33) (rat)	100
Atriopeptin III (rat)	100
ANF (1-28) (Dimer, Antiparallel) (human)	100
Thr-Ala-Pro-Arg-Atrial Natriuretic Factor (1-28) (human)	100
Atrial Natriuretic Peptide (126-149) (rat)	100
ANF (4-28) (frog)	0.4
BNP-26 (porcine)	<0.1
ANF (1-11) (human)	0
Prepro-ANF (26-50) (human)	0
Endothelin-1 (human, bovine, canine, mouse, porcine, rat)	0
BNP-32 (human)	0
BNP-45 (rat)	0
CNP (32-53) (human, porcine, rat)	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: anti ANF (1-28)(hu, bo, po), purified IgG  
T-4013: anti ANF (1-28)(ms, rb, rt), diluted antiserum  
T-4015: anti ANF (1-28)(ms, rb, rt), neat antiserum

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This product contains ProClin 150 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

22.03.2022