



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4177

### Rabbit anti Prepro-Atrial Natriuretic Factor (56-92) (human) [UniProt: P01160]

Prepro-ANF (56-92) is one of four peptide hormones derived from the atrial natriuretic prohormone. It is also known as long acting natriuretic peptide and it has potent vasodilatory properties. Prepro-ANF (56-92) is present in higher concentration in individuals with congestive heart failure and causes the increase in prostaglandin E2 (PGE2) levels of the three peptides.

This antibody was generated by immunization of rabbits with Prepro-Atrial Natriuretic Factor (56-92) coupled to a carrier protein.

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A11049
<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 buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal 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 and validated in ELISA against Prepro-ANF (56-92). Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	Synthetic peptide H-Glu-Val-Val-Pro-Pro-Gln-Val-Leu-Ser-Glu-Pro-Asn-Glu-Glu-Ala-Gly-Ala-Ala-Leu-Ser-Pro-Leu-Pro-Glu-Val-Pro-Pro-Trp-Thr-Gly-Glu-Val-Ser-Pro-Ala-Gln-Arg-OH coupled to carrier protein.

**Cross-Reactivity:**

<b>PEPTIDE:</b>	<b>%:</b>
Prepro-ANF (56-92) (human)	100
Cardiodilatin (1-67) (human)	100
$\gamma$ -ANF (1-25) (human)	0
ANF (1-28) (human, canine)	0
Atriopeptin II (rat)	< 0.01
Atriopeptin III (rat)	< 0.01
[Arg <sup>8</sup> ]-Vasopressin	< 0.01
Oxytocin	< 0.01
Somatostatin-14	< 0.01
Prepro-ANF (26-55) (human)	0

Related Products: T-4176: anti ANF (56-92) (hu), diluted antiserum  
T-4178: anti ANF (56-92) (hu), neat antiserum

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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

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