



BMA BIOMEDICALS



Peninsula Laboratories

T-4172

Rabbit anti Prepro-Atrial Natriuretic Factor (26-55) (human) [UniProt: P01160]

Prepro-ANF (26-55) 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 (26-55) 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 (26-55) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A10577
Host species:	Rabbit IgG
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 Prepro-ANF (26-55). 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-Asn-Pro-Met-Tyr-Asn-Ala-Val-Ser-Asn-Ala-Asp-Leu-Met-Asp-Phe-Lys-Asn-Leu-Leu-Asp-His-Leu-Glu-Glu-Lys-Met-Pro-Leu-Glu-Asp-OH coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
Prepro-ANF (26-55) (human)	100
γ -ANF (1-25) (human)	100
α -ANP (1-28) (human)	0
ANF (1-28) (rat)	0
ANP (1-29) (chicken)	0
β -ANP (1-28) (Dimer, Antiparallel) (human)	0
Prepro-ANF (56-92) (human)	0
BNP-32 (human)	0
CNP (32-53) (porcine, human, rat)	0
Atriopeptin III (rat)	0
Insulin (human)	0
rec IGF-1 (human)	0
Cardiodilatin (1-16) (human)	0

Related Products: T-4173: anti Prepro-ANF (26-55) (hu), diluted antiserum for RIA
T-4174: anti Prepro-ANF (26-55) (hu), purified IgG

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.

T-4172

diluted antiserum –hu

9.12.2020