BMA BIOMEDICALS

Peninsula Laboratories

Rabbit anti Prepro-Atrial Natriuretic Factor (26-55)

Prepro-Atrial Natriuretic Factor (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

Catalog Number: T-4173 (Lot A01668)

Clonality: Polyclonal

Host species: Rabbit IgG

Reactivity: Human

Quantity: 400µg

Format: Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffered saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.

Reconstitute by adding 0.2ml of distilled water.

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-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.

Protein database: human-P01160

Cross-Reactivity:

PEPTIDE	%
Prepro-ANF (26-55) (human)	100
γ-ANF (1-25) (human)	100
ANF (1-28) (human)	0
ANF (rat)	0
α-ANF (Chicken)	0
β-ANP (1-28) (dimer, antiparallel) (human)	0

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Cross-Reactivity:

PEPTIDE	%
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

Applications:

Tested in ELISA against Prepro-Atrial Natriuretic Factor (26-55) and in immunohistochemistry (IHC). Other applications like 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

Related Products:

T-4172: Rabbit anti Prepro-ANF (26-55), diluted antiserum
T-4174: Rabbit anti Prepro-ANF (26-55), neat antiserum
T-4176: Rabbit anti ANF (56-92), diluted antiserum
T-4177: Rabbit anti ANF (56-92), purified antiserum
T-4178: Rabbit anti ANF (56-92), neat antiserum

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

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