BMA BIOMEDICALS

Peninsula Laboratories

Rabbit anti β-Atrial Natriuretic Factor (1-28) (Dimer, Antiparallel)

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. In addition, Atrial Natriuretic Factor consists of Atrial Natriuretic Peptide (ANP) which exists in its precursor form, pro-ANP and it is an active ANP with a longer peptide chain (Urodilatin) and an antiparallel dimer of active ANP.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4170 (Lot 034171-1)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Human
Quantity:	50 µl
Format:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50 µl distilled water. This will give the equivalent of undiluted antiserum.
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-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 linked dimer) coupled to carrier protein.
Protein database:	human-P01160

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Applications:

Tested in immunohistochemistry (IHC) and ELISA against β-Atrial Natriuretic Factor (1-28). Other applications like FACS or Western Blot may work as well.
Optimal dilutions should be determined by the end user.

Please see **bma.ch** for protocols and general information.

Approximate working dilution for IHC:
Frozen sections: not tested yet.
Paraffin sections: 1:500; recommended Proteinase K pre-treatment.

Related Products:

T-4169: anti ANF (1-28) (Dimer, Antiparallel) (hu), purified IgG
T-4176: anti-ANF (56-92) (hu), diluted antiserum
T-4174: anti ANF (26-55) (hu), neat antiserum
S-1434: ELISA (104-123)(hu), high sensitivity for extracted samples
S-1189: ELISA (1-28) (Dimer,Antiparallel) high sensitivity for extracted samples

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This product contains no preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.

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