BMA BIOMEDICALS

Peninsula Laboratories

Rabbit anti C-Type Natriuretic Peptide (1-29)

Natriuretic peptide precursor C (NPPC) is a protein that in humans is encoded by the NPPC gene. The precursor NPPC protein is cleaved to the 22 amino acid peptide C-type natriuretic peptide (CNP). Natriuretic peptides comprise a family of 3 structurally related molecules: atrial natriuretic peptide (ANP), brain natriuretic peptide (BNP), and C-type natriuretic peptide (CNP). These peptides possess potent natriuretic, diuretic, and vasodilating activities and are implicated in body fluid homeostasis and blood pressure control. C-type natriuretic peptide (CNP) generates multiple protein products, including the cardiac natriuretic peptides CNP-53, CNP-29 and CNP-22.

This antibody was generated by immunization of rabbits with C-Type Natriuretic Peptide (1-29) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4219 (Lot A11199)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Mouse, Rat
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-Asp-Leu-Arg-Val-Asp-Thr-Lys-Ser-Arg-Ala-Ala-Trp-Ala-Arg-Leu-Leu-His-Glu-His-Pro-Asn-Ala-Arg-Lys-Tyr-Lys-Gly-Gly-Asn-OH coupled to carrier protein.
Protein database:	mouse-Q61839, rat-P55207

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Applications:

Tested in immunohistochemistry (IHC) and ELISA against C-Type Natriuretic Peptide (1-29). 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-4221: anti CNP (32-53), diluted antiserum, host: rabbit
T-4222: anti CNP (32-53), purified IgG, host: rabbit
T-4223: anti CNP (32-53), neat antiserum, host: rabbit
S-1512: ELISA, extraction-free for serum and plasma samples
T-4218: anti CNP (29), purified IgG, host: rabbit

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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