



Anti Atrial Natriuretic Peptide (ANP) (Mouse, Rat) Serum Cat. No. YII-Y330-EX Lot No. 39150224

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic ANP (mouse, rat) peptide. The product vial contains 50 μ L of the titled antiserum obtained by lyophilizing its 0.001M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistochemistry or any other immunoreac- tion with ANP (mouse, rat).

Immunogen: Synthetic ANP (mouse, rat), carrier free **Host:** Rabbit

Amino Acid Sequence of ANP (mouse, rat)¹⁾:
SLRRSSCFGG RIDRIGAQSG LGCNSFRY

Product Form: Lyophilized unpurified serum **Size:** 50 μ L

Reconstitution: Reconstitute the product with 0.5mL of 0.01M PBS (pH 7.0) to make a 10 fold diluted stock solution. If it is stored in a refrigerator, add moderate antiseptic to the solution (e.g. NaN₃ 0.1%).

Storage: The product will be stable for over one year if it be stored at -20°C to -80°C until opened. Upon recon- stitution, the antiserum solution must be stored at 2°C to 8°C and used within one month. Repeated freezing- thawing should be avoided.

Suggested Working Dilution Range: 1:6,000 (final dilution ~1:42,000) for radioimmunoassay; 1:1,000- 4,000 for immuno- histochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each appli- cation.

Specificity (based on radioimmunoassay): ANP (mouse, rat) 100%, ANP (human) 80%

Positive Control (immunohistochemistry): Rat heart

Species Tested: Rat

REFERENCES:

- 1) C.E. Seidman, A.D. Duby et al., The structure of rat preproatrial natriuretic factor as defined by a complementary DNA clone. Science 225:324-330, 1984
- 2) R.R. Zivin, J.H. Condra et al., Molecular cloning and characterization of DNA sequences encoding rat and human atrial natriuretic factors. Proceedings of National Academy of Sciences, USA 81:6325-6329, 1984

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

