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 µL 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 µL

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

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DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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