Anti Preprorenin (21-64)(Human) Serum Cat. No. Y190 Lot No. 006771016

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic preprorenin (21-64) (human) 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 immunoreaction with preprorenin (human).

Immunogen: Synthetic preprorenin (21-64) (human), carrier free **Host:** Rabbit

Amino Acid Sequence of Preprorenin (21-64) (human)[1]:

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21                                                  64
TFGLPTDTTT FKRIFLKRMP SIRESLKERG VDMARLGPEW SQPM
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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. NaN_3 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 reconstitution, 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: 1:2,000 (final dilution ~1:14,000) for radioimmunoassay; 1:200- 1,000 for immunohistochemistry (frozen section). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay)**:** Preprorenin (21-64) (human) 100%, Othe renin fragments 0%, Recognizes human prorenin.

Positive Control (immunohistochemistry)**:** Human kidney

Species Tested: Human[2]

REFERENCES:

1) T. Imai, H. Miyazaki, et al., Cloning and sequence analysis of cDNA for human renin precursor. Proceedings of National Academy of Sciences, USA 80: 7405-7409, 1983

2) C. Yanaihara, M. Kadowaki et al., Production of region-specific antisera to human prorenin and renin using synthetic peptides. Biomedical Research 8: 95-101, 1987

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