



## Anti Preprorenin (21-64)(Human) Serum

Cat. No. YII-Y190-EX      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 $\mu$ 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 immunoreaction with preprorenin (human).

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

**Amino Acid Sequence of Preprorenin (21-64) (human)<sup>1)</sup>:**

TFGLPTDTTT FKRIFLKRMP SIRESLKERG VDMARLGPEW SQPM

**Product Form:** Lyophilized unpurified serum **Size:** 50  $\mu$ 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. NaN<sub>3</sub> 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:** 1:2,000 (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<sup>2)</sup>

### 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

### FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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