Anti Prorenin (265-294)(Human) Serum **Cat. No. Y191** **Lot No. 65161005**

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic prorenin (265-294) (human)(equal to preprorenin (288-317) (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 prorenin/renin (human).

Immunogen: Synthetic prorenin (265-294) (human), carrier free **Host:** Rabbit

Amino Acid Sequence of Prorenin (265-294) (human) [1,2]**:**

265 294
LAL VDTGASYISG STSSIEKLME ALGAKKR

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 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: 1:1,000~5,000 for enzyme immunoassay; 1:1,000~4,000 for immunohistochemistry (frozen section). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on non-competitive EIA): prorenin (265-294) (human) 100%, preprorenin (21-64) (human) 0.0%, prorenin (314-337)(human) <0.1%, prorenin (human, recombinant) 100%; may cross react to renin (human, recombinant).

Positive Control (immunohistochemistry): Human or rat kidney **Species Tested:** Human, rat

REFERENCES:

1) T. Imai, H. Miyazaki, et al., Cloning and sequence analysis of cDNA for human renin precursor. Proceedings of National Academy of Sciences, U.S.A 80: 7405-7409, 1983
2) Renin preproprotein (Homo sapiens), NCBI Reference Sequence: NP_000528.1

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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