

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 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 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 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 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 immuno-histochemistry (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

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