

Anti Secretin (Porcine) Serum**Cat. No. Y031****Lot No. 80271013**

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic secretin (porcine) peptide. The product vial contains 50 μ L of the titled antiserum obtained by lyophilizing its 0.001 M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistochemistry or any other immunoreaction with secretin.

Immunogen: Synthetic secretin (porcine), carrier free

Host: Rabbit

Amino Acid Sequence of Secretin (porcine)¹⁾: HSDGTFTSEL SRLRDSARLQ RLLQGLV-NH₂

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: 1:2,000-13,500 (final dilution ~1:54,000) for radioimmunoassay; 1: 1,000-4,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay): Secretin (porcine) 100%, secretin (4-27) (porcine) 60%, secretin (14-27) (porcine) 10%, secretin (18-27) (porcine) <0.01%, VIP (porcine) 0%, gastrin (human) 0%, glucagon 0%

Positive Control (immunohistochemistry): Porcine or rat duodenum

Species Tested: Human, porcine, rat²⁾

REFERENCES:

- 1) M. Carlquist, H. Joernvall et al., Human secretin is not identical to the porcine/bovine hormone. IRCS Medical Science 13:217-218, 1985
- 2) N. Yanaihara, M. Kubota et al., Synthesis of phenolic group containing analogues of porcine secretin and their immunological properties. Journal of Medicinal Chemistry 20: 648-655, 1977

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