Anti Secretin (Human) Serum
Cat. No. YII-Y030-EX   Lot No. 013271012

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic secretin (human) peptide. The product vial contains 50 µL 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 immuno- reaction with secretin (human).

Immunogen: Synthetic secretin (human), carrier free **Host:** Rabbit

Amino Acid Sequence of Secretin (human)[1]: HSDGTFTSEL SRLREGARLQ RLLQGLV-NH2

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 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: 1:500-2,000 (final dilution ~1:14,000) 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 (human) 100%, secretin (porcine) 92%, secretin (chicken) < 0.01%, VIP (porcine) < 0.01%

Positive Control (immunohistochemistry): Rat duodenum

Species Tested: Rat, human, monkey[2]

REFERENCES:
1) M. Carlquist, H. Joernvallet al., Human secretin is not identical to the porcine/bovine hormone. IRCS Medical Science 13:217-218, 1985
2) M. Anlauf, E. Weihe et al., Localization of Xenin-immunoreactive cells in the duodenual mucosa of humans and various mammals. Journal of Histochemistry and Cytochemistry 48: 1617-1626, 2000

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