Anti GIP (18-42) (Rat) Serum

Cat. No. Y103 Lot No. 546090129

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic GIP (18-42) (rat) 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 other immunoreactions with GIP (rat).

Immunogen: Synthetic GIP (18-42) (rat), carrier free **Host:** Rabbit

Amino Acid Sequence of GIP (rat)[1]:

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                    18                                  42
YAEGTFISDY SIAMDKIRQQ DFVNWLLAQK GKKNDWKHNI TQ
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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. NaN_3 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 immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on non-competitive enzyme immunoassay): GIP (rat) >100%, GIP (18-42)(rat) 100%, secretin (rat) 0%, VIP (porcine) 0%, GLP-1 (7-36)-NH_2 0%, GLP-1 (1-36)-NH_2 0%, GLP-2 (rat) 0%, glucagon 0%.

Positive Control (immunohistochemistry): Rat duodenum, jejunum, and ileum

Species Tested: Rat

REFERENCES:

1) Y. Higashimoto, J. Simchock, RA. Liddle, Molecular cloning of rat glucose-dependent insulinotropic peptide (GIP). Biochim. Biophys. Acta. 1132 (1):72-74, 1992

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