

Anti GLP-2 (Rat) Serum

Cat. No. Y322

Lot No. 652150417

Description: This antiserum was raised in a rabbit by immunization with a keyhole limpet hemocyanin (KLH) conjugate of synthetic GLP-2 (rat) 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 GLP-2 (rat).

Immunogen: Synthetic GLP-2 (rat)-KLH conjugate

Host: Rabbit

Amino Acid Sequence of GLP-2 (rat)¹⁾:

HADGSFSDEM NTILDNLATR DFINWLIQTK ITD

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. Na₃N 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: 1:3,000-50,000 for enzyme immunoassay; 1:500-2,000 for immunohistochemistry (frozen or paraffin section). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on enzyme immunoassay): GLP-2 (rat) 100%, GLP-2 (3-33) (rat) 90%, GLP-2 (14-33) (rat) 36%, GLP-2 (human) 100%, GLP-2 (1-18) (rat) < 0.1%, GLP-1 (7-36)-NH₂ 0%, glucagon 0%, glicentin (rat) 0%

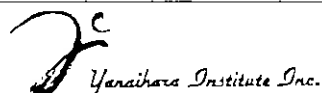
Positive Control (immunohistochemistry): Rat pancreas, rat ileum

Species Tested: Rat

REFERENCES:

- 1) S. Mojsov, G. Heinrich et al., Preproglucagon gene expression in pancreas and intestine diversifies at the level of post-translational processing. *Journal of Biological Chemistry* 261:11880-11886, 1986
- 2) I. Kato, J. Li et al., Synthesis of rat glucagon-like peptide (GLP)-2 and its biological and immunochemical studies, *Peptide Science*, N. Fujii (Ed), The Japanese Peptide Society, p159-162, 2000
- 3) J. Li, N. Yanaihara et al., ELISA for rat and human GLP-2 and the application. *Proceeding of 21st Gut Hormone Conference*, Japan Society of Gut Hormones (Ed) 63-67, 2001

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