

## 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  $\mu$ 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 GLP-2 (rat).

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

**Host:** Rabbit

**Amino Acid Sequence of GLP-2 (rat)<sup>1)</sup>:**

HADGSFSDEM NTILDNLATR DFINWLIQTK ITD

**Product Form:** Lyophilized unpurified serum

**Size:** 50  $\mu$ 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. NaN<sub>3</sub> 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)-NH<sub>2</sub> 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 21th Gut Hormone Conference*, Japan Society of Gut Hormones (Ed) 63-67, 2001

**FOR RESEARCH LABORATORY USE ONLY**  
DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

  
Yanaihara Institute Inc.

2480-1 Awakura, Fujinomiya, Shizuoka, 418-0011 Japan  
TEL: +81-544-22-2771 FAX: +81-544-22-2770

For more information, please visit our internet website: <http://www.yanaihara.co.jp> or contact us to: [ask@yanaihara.co.jp](mailto:ask@yanaihara.co.jp)