## Anti Pro-LH-RH (1-26) (Human) Serum

Cat. No. Y310 Lot No. 062071218

**Description:** This antiserum was raised in a rabbit by immunization with a synthetic Pro-LH-RH (1-26) (human) peptide. The product vial contains 50  $\mu$ 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 pro-LH-RH (human) related peptide.

Immunogen: Synthetic pro-LH-RH (1-26) (human), carrier free

Host: Rabbit

Amino Acid Sequence of pro-LH-RH (1-26) (human) 11:

QHWSYGLRPG GKRDAENLID SFQEIV

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  $-20^{\circ}$ C to  $-80^{\circ}$ C until opened. Upon reconstitution, the antiserum solution must be stored at  $2^{\circ}$ C to  $8^{\circ}$ C and used within one month. Repeated freezing-thawing should be avoided.

**Suggested Working Dilution Range:** 1:1,000 (final dilution  $\sim 1:7,000$ ) for radioimmunoassay<sup>2)</sup>; 1:500-5,000 for immunohistochemistry (frozen sections). Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on radioimmunoassay): Pro-LH-RH (1-26) (human) 100%, GAP (1-56) (human) 0.15%, GAP (34-56) (human) 0%, LH-RH 0%

Positive Control (immunohistochemistry): Rat hypothalamus

Species Tested: Porcine, rat

## REFERENCES:

- 1) P.H. Seeburg and J.P. Adelman, Characterization of cDNA for precursor of human luteinizing hormone releasing hormone, Nature 311:666-668, 1984
- 2) T. Zhang, N. Yanaihara et al., Distribution and molecular forms of pro-LHRH-related peptide immunoreactivity in porcine brain, Biomedical Research 10:377-384, 1989

## FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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