

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 μ 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 immuno-reaction 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)¹⁾:

1 26
QHWSYGLRPG GKRDAENLID SFQEIV

Product Form: Lyophilized unpurified serum

Size: 50 μ 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. 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 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 (final dilution ~1:7,000) for radioimmunoassay²⁾; 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

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