



Anti Gonadotropin-Releasing Hormone -Associated Peptide (GAP) (34-56) (Human) Serum

Cat. No. YII-Y311-EX Lot No. 024271219

Description: This antiserum was raised in a rabbit by immunization with a bovine serum albumin (BSA) conjugate of GAP (34-56) (human) 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 any other immunoreaction with GnRH-associated peptide (GAP)(human).

Immunogen: Synthetic GAP (34-56) (human)-BSA conjugate **Host:** Rabbit

Amino Acid Sequence of GAP (34-56) (human) ¹⁾:

34 56
SPLRDLK GALESLEEIEE TGQKKI

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. 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: 1:700 (final dilution ~1:4,900) for radioimmunoassay²⁾; 1:500-4,000 for immunohistochemistry (frozen sections). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay): GAP (34-56) (human) 100%, GAP (25-56)(human) 100%, GAP (15-56)(human) 100%, GAP (1-56)(human) 100%, GAP (41-56)(human) 0.5%, LH-RH 0%, leumorphin (human) 0%, somatostatin 0%

Positive Control (immunohistochemistry): Rat hypothalamus

Species Tested: Rat, porcine³⁾

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., Gonadotropin-releasing hormone-associated peptide in rat brain tissues, Biomedical Research 10:371-375, 1989
- 3) 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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DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

