



Anti Gonadotropin-Releasing Hormone -Associated Peptide (GAP) (28-56) (Rat) Serum

Cat. No. YII-Y312-EX Lot No. 024871220

Description: This antiserum was raised in a rabbit by immunization with a bovine serum albumin (BSA) conjugate of GAP (28-56) (rat) 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 immunoreaction with GnRH-associated peptide (GAP).

Immunogen: GAP (28-56) (rat)-BSA conjugate **Host:** Rabbit

Amino Acid Sequence of GAP (28-56) (rat) ¹⁾:

28 56

TVH YPRSPLRDLK GALESLEEEE TGQKKI

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: 1:10,000 (final dilution ~1:70,000) 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 (28-56) (rat) 100%, GAP (34-56) (rat) 100%, GAP (rat) 100%, GAP (25-56) (human) <0.001%, LH-RH 0%

Positive Control (immunohistochemistry): Rat hypothalamus

Species Tested: 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., Rat gonadotropin-releasing hormone-associated peptide (GAP): biochemical and immunochemical characterization, Biomedical Research 10:447-452, 1989

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