



## Anti Galanin (Porcine) Serum

Cat. No. YII-Y180-EX      Lot No. 198571025

**Description:** This antiserum was raised in a rabbit by immunization with a carrier free synthetic galanin (porcine) 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 immunore- action with galanin (porcine).

**Immunogen:** Synthetic galanin (porcine), carrier free **Host:** Rabbit

**Amino Acid Sequence of Galanin (porcine)<sup>1)</sup> :** GWTLNSAGYL LGPHAIDNHR SFHDKYGLA-NH<sub>2</sub>

**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 recon- stitution, 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:** 1:2,500 (final dilution ~1:17,500) for radioimmunoassay; 1:500-2,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on radioimmunoassay): Galanin (porcine) 100%, galanin (3-29) (Porcine) 100%, galanin (10- 29) (porcine) 100%, galanin (15-29) (porcine) 100%, GRP (porcine) 0%, neurokinin A 0%, neurokinin B 0%, neu- romedin B 0%, substance P 0%, PP (human) 0%, glucagon 0%, VIP (porcine) 0%.

**Positive Control** (immunohistochemistry): Rat duodenum

**Species Tested:** Rat<sup>2)</sup>, tuna fish

### REFERENCES:

- 1) K. Tatemoto, A. Rokaeus et al., Galanin-a novel biologically active peptide from porcine intestine. FEBS Letters 164: 124-128, 1983
- 2) Y. Takeda, N. Yanaihara et al., Inhibitory effect of novel neuropeptide, galanin on glucose-induced insulin release in isolated perfused rat pancreas. Proceedings of 8th Gut Hormone Conference, Japan Society of Gut Hormones (Ed.) 6: 427-433, 1986

### FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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