



## Anti Galanin (15-29)(Rat) Serum

Cat. No. YII-Y183-EX      Lot No. 067871212

**Description:** This antiserum was raised in a rabbit by immunization with a porcine thyroglobulin (pTG) conjugate of synthetic galanin (15-29)(rat) 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 galanin (rat).

**Immunogen:** Synthetic galanin (15-29)(rat)-pTG conjugate **Host:** Rabbit

**Amino Acid Sequence of Galanin (15-29) (rat)<sup>1)</sup>:**

15 29  
GWTLNSAGYL LGPHAIDNHR SFSDKHGLT-NH<sub>2</sub>

**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. 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 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:** 1:3,000 (final dilution ~1:21,000) for radioimmunoassay; 1:200-2,000 for immunohistochemistry (frozen or paraffin sections)<sup>2)</sup>. Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on radioimmunoassay): Galanin (rat) 100%, galanin (15-29) (rat) 100%, galanin (human) 0%

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

**Species Tested:** Rat

### **REFERENCES:**

- 1) M.E. Vrontakis, L.M. Peden et al., Isolation and characterization of a complementary DNA (galanin) clone from estrogen-induced pituitary tumor messenger RNA. Journal of Biological Chemistry 262: 16755-16758, 1987
- 2) Y. Takatsu, H. Matsumoto et al., Distribution of galanin-like peptide in the rat brain. Endocrinology 142: 1626-1634, 2001

### **FOR RESEARCH LABORATORY USE ONLY**

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM



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