

Anti Galanin (Porcine) Serum

Cat. No. Y180

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 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 galanin (porcine).

Immunogen: Synthetic galanin (porcine), carrier free

Host: Rabbit

Amino Acid Sequence of Galanin (porcine)¹⁾: GWTLSAGYL LGPHAIDNHR SFHDKYGLA-NH₂

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: 1:2,500 (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%, neuromedin B 0%, substance P 0%, PP (human) 0%, glucagon 0%, VIP (porcine) 0%.

Positive Control (immunohistochemistry): Rat duodenum

Species Tested: Rat²⁾, 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

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SCETI K.K.

DF Kasumigaseki Place, 3-6-7 Kasumigaseki, Chiyoda-ku, Tokyo 100-0013 Japan

URL: <http://www.sceti.co.jp/export/> e-mail: exp-pet@sceti.co.jp

<Manufacturer>

Yanaihara Institute Inc.

2480-1 Awakura, Fujinomiya-shi, Shizuoka 418-0011 JAPAN