

## **Anti Preprogalanin (89-124)(Rat) Serum**

Cat. No. Y185 Lot No. 193100513

**Description:** This antiserum was raised in a rabbit by immunization with a carrier free synthetic preprogalanin (89-124) (rat) peptide. The product vial contains 50  $\mu$ L of the titled antiserum obtained by lyophilizing its 0.001M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistochemistry or any other immunoreaction with preprogalanin (rat).

**Immunogen:** Synthetic preprogalanin (89-124) (rat), carrier free

**Host:** Rabbit

**Amino Acid Sequence of Preprogalanin (89-124)(rat)<sup>1)</sup>:**

89 124  
RT IMEFLSFLHL KEAGALDSLP GIPLATSSSED LEQS

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

**Specificity** (based on radioimmunoassay): Preprogalanin (rat) 100%, preprogalanin (human) 80%, galanin (rat) 0%

**Positive Control** (immunohistochemistry): Rat pyrolic spineter

**Species Tested:** Rat<sup>2)</sup>

### **REFERENCES:**

- 1) L.M. Kaplan, E.R. Spindel et al., Tissue-specific expression of the rat galanin gene. Proceedings of National Academy of Sciences, USA 85: 1065-1069, 1988
- 2) N. Yanaihara, T. Mochizuki et al., Endocrine and gastrointestinal action of galanin. Annals of the New York Academy of Sciences, T. Hokfelt (Ed) 863:129-142, 1999

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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](mailto:exp-pet@sceti.co.jp)

<Manufacturer>

Yanaihara Institute Inc.

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