Anti Galanin (15-29)(Rat) Serum

Cat. No. Y183 **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 lyophi- lizing its 0.001 M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistoche- mistry 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)[1]:

15 29
GWTLNSAGYL LGPHAIDNHR SFSDKHGLT-NH_2

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_3 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)[2]. 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 th rat brain. Endocrinology 142: 1626-1634, 2001

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

Yanaihara Institute Inc.

2480-1 Awakura, Fujinomiya, Shizuoka, 418-0011 Japan

TEL: +81-544-22-2771 FAX:+81-544-22-2770

For more infomation, please visit our internet website: http://www.yanaihara.co.jp or contact us to: ask@yanaihara.co.jp

Copyright: Yanaihara Institute Inc. 2004 All Rights Reserved