Anti Chromogranin A (94-130) (Rat) Serum

Cat. No. Y291 **Lot No.** 077171213

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic chromogranin A (94-130) (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 chromogranin A related peptides.

Immunogen: Synthetic chromogranin A (94-130) (rat), carrier free **Host:** Rabbit

Amino Acid Sequence of Chromogranin A (94-130) (rat)[1]:

94 130

HSSFEDE LSEVFENQSP AAKHGDAASE APSKDTVEKR

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: 1:1,000 (final dilution ~1:7,000) for radioimmunoassay[2,3]; 1: 1,000 for immunohistochemistry (frozen section). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay): Chromogranin A (94-130) (rat) 100%, Pancreastatin (rat) 0%. Recognized chromogranin A (rat) and β-granin.

Positive Control (immunohistochemistry): Rat pituitary gland and adrenal gland[4,5,6]

Species Tested: Rat

REFERENCES:

1) A. Iacangelo, H. Okayama, and L.E. Eiden, Primary structure of rat chromogranin A and distribution of its mRNA. FEBS Letter 227:115-121, 1988

2) S. Nagasawa, Y. Nishikawa et al., Distribution of chromogranin A-like peptides in the rat, Biomedical Research 16: 83-90, 1995

3) Y. Nishikawa, C. Yanaihara et al., Immunoreactive chromogranin A in rat tissue, plasma and urine, Peptide Chemistry 1994, Protein Research Foundation, Osaka, M. Ohno (Ed), pp389-392, 1995

4) Y. Nishikawa, T. Iwanaga et al., Distribution and existent pattern of chromogranin A in tissues studied by using region-specific antisera, Proceedings of the 11th Gut Hormone Conference, Japan Society of Gut Hormones (Ed), 1992, 2:pp345-352

5) Y. Hashimoto, H. Ohki et al., Immunohistochemical demonstration of chromogranin A in endocrine organs of the rat and horse by use of region-specific antibodies, Japan Journal of Veterinary Research, 49: 3-17, 2001

6) K. Ohshima, S. Nagasawa et al., Synthesis of rat chromogranin A fragments and their immunological properties, Peptide Chemistry 1991, Protein Research Foundation, Osaka, A. Suzuki (Ed), pp157-162, 1992

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