Anti Chromogranin A (343-360) (Rat) Serum

Cat. No. Y292 **Lot No.** 094171214

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic chromogranin A (343-360) (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 (343-360) (rat), carrier free **Host:** Rabbit

Amino Acid Sequence of Chromogranin A (343-360) (rat)[1]:

343 360

WSRMDQLA KELTAEKRLE

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]; 1: 1,000 for immunohistochemistry (frozen section). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay): Chromogranin A (343-360) (rat) 100%. Pancreastatin (rat) 0%

Positive Control (immunohistochemistry): Rat pituitary gland and adrenal gland[3]

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, T. Iwanaga et al., Distribution and existentence 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:p345-352

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

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