

**Anti Chromogranin A (1-28)(Rat) Serum** **Cat. No. Y294** **Lot No. 0791101012**

Description: This antiserum was raised in a rabbit by immunization with a conjugate of bovine serum albumin (BSA) to synthetic chromogranin A (1-28) (rat) peptide at position 17 Cys residue. The product vial contains 50 μ 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 chromogranin A (rat).

Immunogen: Synthetic Chromogranin A (1-28) (rat), BSA conjugate **Host:** Rabbit

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Amino Acid Sequence of Chromogranin A (1-28)(rat)^{1,2)} : LPVNSPMTKG DTKVMKCVLE VISDSLK

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 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^{3,4)}; 1:500~3,000 for immunohistochemistry (frozen section)³⁾. Optimal dilution should be determined by each laboratory for each application.

Specificity (based on RIA) : Chromogranin A (1-28) (rat) 100%, Pancreastatin (rat) 0%.

Positive Control (immunohistochemistry): Rat adrenal gland³⁾

Species Tested: Rat

REFERENCES:

- 1) A. Iacangelo, H. Okayama et al., primary structure of rat chromogranin A and distribution of its mRNA. FEBS Letter 227: 115-121, 1988
- 2) R.J. Parmer. A.H. Koop et al., Molecular cloning of chromogranin A from rat pheochromocytoma cells. Hypertension 14: 435-444, 1989
- 3) 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
- 4) S. Nagasawa, Y. Nishikawa et al., Distribution of chromogranin A-like peptides in the rat. Biomedical Research 16 (2): 83-90, 1995



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